

## AR51872PU-N

## Human MAGE-8 (1-318, His-tag) - Purified

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| <b>Alternate names:</b>  | Cancer/testis antigen 1.8, MAGE 8, MAGE8, MAGEA8, Melanoma-associated antigen 8                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Quantity:</b>         | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration:</b>    | 0.25 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Background:</b>       | MAGEA8 also known as Melanoma-associated antigen 8 is a member of the MAGE gene family, which comprises 12 known genes, of which 6 are expressed in tumors. The MAGE genes were initially isolated from different kinds of tumors, and based on their virtually exclusive tumor-specific expression in adult tissues, they have been used as targets for cancer immunotherapy. Recombinant human MAGEA8, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques |
| <b>Uniprot ID:</b>       | <a href="#">P43361</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>NCBI:</b>             | <a href="#">NP_001159873</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>GeneID:</b>           | <a href="#">4107</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source:</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >85% by SDS - PAGE<br><b>Buffer System:</b> Phosphate Buffered Saline containing 10% glycerol, 1mM DTT.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description:</b>      | <b>AA Sequence:</b><br>MGSSHHHHH SGLVPRGSH MGSMLLGQKS QRYKAEGLQ AQGEAPGLMD VQIPTAEEQK<br>AASSSTLIM GTLEEVTDG SPSPQSPEG ASSSLTVTDS TLWSQSDEGS SSNEEEGPST<br>SPDPAHLESL FREALDEKVA ELVRFLRLKY QIKEPVTKE MLESVIKNYK NHFPDIFSKA<br>SECMQVIFGI DVKEVDPAHG SYILVTCLGL SYDGLLGDDQ STPKTGLLII VLGMILMEGS<br>RAPEEAIWEA LSVMGLYDGR EHSVYWKLRK LLTQEWVQEN YLEYRQAPGS DPVRYEFLWG<br>PRALAETSYV KVEHVVRVN ARVRISYPSL HEEALGEEKG V<br><b>Molecular weight:</b> 37.6 kDa (341aa) confirmed by MALDI-TOF                                     |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                           |
| <b>General Readings:</b> | Serrano A., et al. (1999) Int. J. Cancer 83 (5), 664-669 Rogner uC., et al. (1995) Genomics 29 (3), 725-731                                                                                                                                                                                                                                                                                                                                                                                                                   |

Pictures:

