

**AR51161PU-S****Human GAGE2A (1-116, His-tag) - Purified**

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| <b>Alternate names:</b>  | CT4.2, G antigen 2A/2B, GAGE-2, GAGE-2A, GAGE2  |
| <b>Quantity:</b>         | 0.1 mg  |
| <b>Concentration:</b>    | 0.5 mg/ml (determined by Bradford assay)  |
| <b>Background:</b>       | GAGE2A belongs to a multigene family expressed in a large variety of tumors whereas in normal tissues, expression is restricted to germ cells. These genes organized in clustered repeats, have a high degree of predicted sequence identity, but differ by scattered single nucleotide substitution. Their sequences contain either the antigenic peptide YYWPRRRY or YRPRRRY which is recognized by cytotoxic T-cells.  |
| <b>Uniprot ID:</b>       | <a href="#">Q6NT46</a>  |
| <b>NCBI:</b>             | <a href="#">NP_001120684</a>  |
| <b>GeneID:</b>           | <a href="#">729447</a>  |
| <b>Species:</b>          | Human   |
| <b>Source:</b>           | E. coli   |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90% by SDS - PAGE<br><b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.  |
| <b>Description:</b>      | Recombinant human GAGE2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.<br><b>AA Sequence:</b><br>MGSSHHHHHH SSGLVPRGSH MGSMSWRGRS TYRPRRRYV EPPEMIGPMR PEQFSDEVEP<br>ATPEEGEPAT QRQDPAAAQE QDEGASAGQ GPKPEAHSQE QGHPQTGCEC EDGPDGQEMD<br>PPNPEEVKTP EEGEKQSQC<br><b>Molecular weight:</b> 15 kDa (139aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher) |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.   |
| <b>General Readings:</b> | Gjerstorff MF, et al. (2008). Tissue Antigens.71(3):187-92. De Backer O, Arden KC, et al. (1999). Cancer Res. 59(13):3157-65.   |

Pictures:

