

AR50302PU-N

Human MAGE-5 (1-124, His-tag) - Purified

Alternate names:	Cancer/testis antigen 1.5, MAGE 5, MAGE5, MAGEA5, Melanoma-associated antigen 5
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	MAGEA5, also known as melanoma-associated antigen 5, is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. This MAGEA gene encodes a protein that is C-terminally truncated compared to other family members, and this gene can be alternatively interpreted to be a pseudogene.
Uniprot ID:	P43359
NCBI:	NP_066387.1
GenelD:	100533997
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1mM PMSF
Description:	Recombinant human MAGEA5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMSLEQK SQHCKPEEGL DTQEEALGLV GVQAATTEEQ EAVSSSSPLV PGTGLGEVPAA GSPGPLKSPQ GASAIPTAID FTLWRQSIKG SSNQEEEGPS TSPDPESVFR AALSKKVADL IHFLLLY Molecular weight: 15.6 kDa (148aa), confirmed by MALDI-TOF, (Molecular weight on SDS-PAGE will appear higher)
Storage:	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.
General Readings:	De Plaen E., et al. (1994) Immunogenetics. 40:360-369 The MGC Project Team. (2004) Genome Res. 14:2121-2127

Pictures:

