

# Recombinant human MAGEA5 protein

Catalog Number: ATGP1477

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-124aa

### UniProt No.

P43359

### NCBI Accession No.

NP\_066387

### Alternative Names

Melanoma-associated antigen 5, CT1.5, MAGE5, MAGEA4

## PRODUCT SPECIFICATION

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### Molecular Weight

15.6 kDa (148aa) confirmed by MALDI-TOF, (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1mM PMSF

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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

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members, and this gene can be alternatively interpreted to be a pseudogene. Recombinant human MAGEA5 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

## Amino acid Sequence

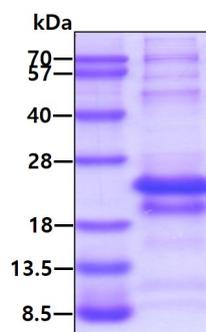
<MGSSHHHHHH SSGLVPRGSH MGSH>MSLEQK SQHCKPEEGL DTQEEALGLV GVQAATTEEQ EAVSSSSPLV  
PGTLGEVPAA GSPGPLKSPQ GASAIPTAID FTLWRQSIKG SSNQEEEGPS TSPDPESVFR AALSCKVADL IHFLLLY

## General References

De Plaen E., et al. (1994) Immunogenetics. 40:360-369  
The MGC Project Team. (2004) Genome Res. 14:2121-2127

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.