Recombinant human MAGEA5 protein

Catalog Number: ATGP1477

PRODUCT INFORMATION

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

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

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

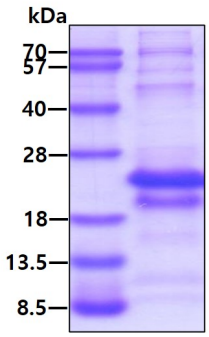
<MGSSHHHHHH SSGLVPRGSH MGSH>MSLEQK SQHCKPEEGL DTQEEALGLV GVQAATTEEQ EAVSSSSPLV PGTLGEVPAA GSPGPLKSPQ GASAIPTAID FTLWRQSIKG SSNQEEEGPS TSPDPESVFR AALSKKVADL IHFLLLKY

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



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.