

Recombinant human MAGEA4 protein

Catalog Number: ATGP0594

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-317aa

UniProt No.

P43358

NCBI Accession No.

AAH17723.1

Alternative Names

Melanoma-associated antigen 4, Melanoma-associated antigen 4, Cancer/testis antigen 1.4, CT1.4, MAGE 4, MAGE 4 antigen, MAGE 41, MAGE 41 antigen, MAGE 4A, MAGE 4B, MAGE X2, MAGE X2 antigen, MAGE41, MAGE4A, MAGE4B, MAGEA 4, MAGEA4, Melanoma antigen family A 4,

PRODUCT SPECIFICATION

Molecular Weight

37 kDa (337aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% 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

MAGEA4 is a member of the MAGEA family, which directs the expression of tumor antigens that are recognized on a human melanoma by autologous cytolytic T lymphocytes (CTL). The function of MAGEA4 is not known, though may play a role in embryonal development and tumor transformation or aspects of tumor progression. This protein is expressed in many tumors of several types, such as melanoma, head and neck squamous cell

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carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta. Recombinant human MAGEA4, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

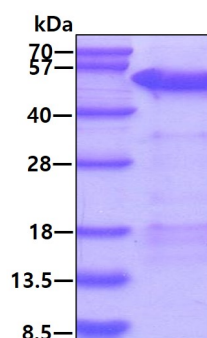
<MGSSHHHHHH SSGLVPRGSH> MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEA AV SSSSPLVPGT
LEEVPA AESA GPPQSPQGAS ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL
VTKAEMLERV IKNYKRCPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI
AMEGDSASEE EIWEELGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA ETSYVKVLEH
VVRVNARVRI AYP SLREAAL LEEEEGV

General References

Fradet Y., et al. (2009) *Int J Cancer*. 125(6):1365-71.
Nishimura T., et al. (2009) *Br J Cancer*. 100(7):1135-43.

DATA

SDS-PAGE



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