

Recombinant Human Melanoma Antigen Family A, 4, His-tagged

Cat. No. MAGEA4-2568H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant human MAGEA4, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography. MW =37 kDa(337aa).

Species

Human

Source

E.coli

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 carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta.

Sequences Of Amino Acids

MGSSHHHHHH SSGLVPRGSH MSSEQKSQHC KPEEGVEAQE EALGLVGAQA
PTTEEQEA AV SSSSPLVPGT LEEVPAESA GPPQSPQGAS ALPTTISFTC
WRQPN EGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL
VTKAEM LERV IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV
TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI AMEGDSASEE EIWEELGVMG
VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA
ETSYVKVLEH VVRVNARVRI AYP SLREAAL LEEEEGV

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Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% Glycerol.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	MAGEA4 melanoma antigen family A, 4 [Homo sapiens]
Synonyms	MAGEA4; melanoma antigen family A, 4; CT1.4; MAGE4; MAGE4A; MAGE4B; MAGE-41; MAGE-X2; MGC21336; melanoma-associated antigen 4; MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; OTTHUMP00000025881; OTTHUMP00000025882; OTTHUMP00000025883; OTTHUMP00000025884; OTTHUMP00000025885; OTTHUMP00000025886; OTTHUMP00000025887; OTTHUMP00000025889; OTTHUMP00000025890; OTTHUMP00000025891; cancer/testis antigen 1.4; cancer/testis antigen family 1, member 4
Gene ID	4103
mRNA Refseq	NM_001011548
Protein Refseq	NP_001011548
MIM	300175
UniProt ID	P43358

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Chromosome Location	Xq28
Function	molecular_function; protein binding

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