

Recombinant Human MAGEA4, His-tagged

Cat. No. MAGEA4-28847TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAGEA4 with a N terminal 20 amino acid His tag, 337 amino acids with a predicted MWt 37kDa inclusive of tag. UniID = P43358
Species	Human
Source	E.coli
ProteinLength	317 amino acids
Description	This gene 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. At least four variants encoding the same protein have been found for this gene.
Conjugation	HIS
Molecular Weight	37.000kDa inclusive of tags
Tissue specificity	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.

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 20% Glycerol, 0.32% Tris HCl
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEAAV SSSSPLVPGT LEEVPAAESA GPPQSPQGAS ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPTSNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI AMEGDSASEE EIWEELGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA ETSYVKVLEH VVRVNARVRI AYP SLREAAL LEEEEGV.
Sequence Similarities	Contains 1 MAGE domain.
GENE INFORMATION	
Gene Name	MAGEA4 melanoma antigen family A, 4 [Homo sapiens]
Official Symbol	MAGEA4
Synonyms	MAGEA4; melanoma antigen family A, 4; MAGE4; melanoma-associated antigen 4; cancer/testis antigen family 1; member 4; CT1.4; MAGE 41; MAGE X2; MAGE4A; MAGE4B; melanoma associated antigen 4; MGC21336;
Gene ID	4103

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mRNA Refseq	NM_001011548
Protein Refseq	NP_001011548
MIM	300175
Uniprot ID	P43358
Chromosome Location	Xq28
Function	molecular_function; protein binding;

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