

Recombinant Human MAGEA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAGEA4-6100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAGEA4 MS Standard C13 and N15-labeled recombinant protein (NP_001011549) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	34.9 kDa
AA Sequence	MSSEQKSQHCKPEEGVEAQEEALGLVGAQAPTTEEQEA AVSSSSPLVPGTLEEV AAESAGPPQSPQGASALPTTISFTCWRQPNEGSSSQEEEGPSTSPDAESLFREALS NKVDELAHFLLRKYRAKELVTKAEMLERVIKNYKRCFPVIFGKASESLKMIFGIDVKEV DPTSNTYTLVTCLGLSYDGLLGNNQIFPKTGLLIIVLGTIAMEGDSASEEEIWEELGVM GVYDGREHTVYGEPRKLLTQDWVQENYLEYRQVPGSNPARYEFLWGPRALAETSY

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	VKVLEHVVRVNARVRIAYPSLREAALLEEEGVTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MAGEA4 MAGE family member A4 [Homo sapiens (human)]
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; MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; cancer/testis antigen 1.4; cancer/testis antigen family 1, member 4; MAGE-41; MAGE-X2;
Gene ID	4103
mRNA Refseq	NM_001011549
Protein Refseq	NP_001011549

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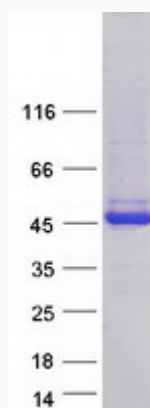
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MIM 300175

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SDS-PAGE



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