

Recombinant Human MAGEA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAGEA1-4315H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAGEA1 MS Standard C13 and N15-labeled recombinant protein (NP_004979) 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.
Molecular Mass	34.3 kDa
AA Sequence	MSLEQRSLHCKPEEALAEQAEALGLVCVQAAASSSSPLVLGTLEEVPTAGSTDPPQ SPQGASAFPTTINFTRQRQPSEGSSSREEEGPSTSCILESLFRAVITKKVADLVGFLL LKYRAREPVTKAEMLESVIKNYKHCFPEIFGKASESLQLVFGIDVKEADPTGHSYVLV TCLGLSYDGLLGDNQIMPKTGFLIIVLVMIAEGGHAPEEEIWEELSVMEVYDGREH SAYGEPRKLLTQDLVQEKYLEYRQVPDSDPARYEFLWGPRALAETSYVKVLEYVIKV SARVRFFFPRLREAALREEEEGVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.

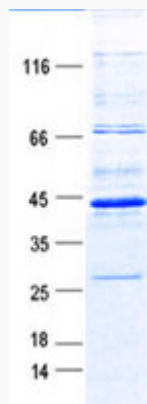
GENE INFORMATION

Gene Name	MAGEA1 MAGE family member A1 [Homo sapiens (human)]
Official Symbol	MAGEA1
Synonyms	MAGEA1; melanoma antigen family A, 1 (directs expression of antigen MZ2-E); MAGE1; melanoma-associated antigen 1; cancer/testis antigen family 1; member 1; CT1.1; melanoma antigen family A 1; melanoma antigen MAGE 1; melanoma associated antigen 1; melanoma associated antigen MZ2 E; MGC9326; antigen MZ2-E; MAGE-1 antigen; melanoma antigen MAGE-1; cancer/testis antigen 1.1; melanoma-associated antigen MZ2-E; cancer/testis antigen family 1, member 1;
Gene ID	4100
mRNA Refseq	NM_004988
Protein Refseq	NP_004979
MIM	300016

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