

Recombinant Human MAGEA12

Cat. No. MAGEA12-28504TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAGEA12 with N terminal proprietary tag; Predicted MWt 60.61 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	314 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. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Weight	60.010kDa 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.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MPLEQRSQHCKPEEGLEAQGEALGLVGAQAPATEEQETAS SSSTLVEVTLREVPA AESPSPPHSPQGASTLPTTINYTLW SQSDEGSSNEEQEGPSTFPDLET SFQVALSR KMAELVHFL LLKYRAREPFTKAEMLGSVIRNFQDFFPVIFSKASEYLQL VFGIEVVEV VRIGHLYILVTCLGLSYDGLLDGNQIVPKTG LLIIVLAIIAKEGDCAPEEKIWEELSVLEA SDGREDSVFA HPRKLLTQDLVQENYLEYRQVPGSDPACYEFLWGPRALVE TSYVK VLHLLKISGGPHISYPPLHEWAFREGEE
Sequence Similarities	Contains 1 MAGE domain.

GENE INFORMATION

Gene Name	MAGEA12 melanoma antigen family A, 12 [Homo sapiens]
Official Symbol	MAGEA12
Synonyms	MAGEA12; melanoma antigen family A, 12; MAGE12; melanoma-associated antigen 12; cancer/testis antigen family 1; member 12; CT1.12;
Gene ID	4111
mRNA Refseq	NM_001166386
Protein Refseq	NP_001159858

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MIM	300177
Uniprot ID	P43365
Chromosome Location	Xq28
Function	molecular_function;

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