

## Product datasheet for PH323991

### MAGEA4 (NM\_001011550) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MAGEA4 MS Standard C13 and N15-labeled recombinant protein (NP_001011550)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223991
Predicted MW:	34.9 kDa
Protein Sequence:	>RC223991 protein sequence Red=Cloning site Green=Tags(s)  MSSEQKSQHCKPEEGVEAQEEALGLVGAQAPTTEEQEAADVSSSPLVPGTLEEVPAAESAGPPQSPQGAS ALPTTISFTCWRQPNEGSSSQEEEGPSTSPDAESLFREALSNKVDEL AHFLLRKYRAKELVTKAEMLERV IKNYKRCFPVIFGKASESLKMFIDVKEVDPTSNTYTLVTCLGLSYDGLLGNNQIFPKTGLLIIIVLGTI AMEGDSASEEEIWEEELGVMGVYDGREHTVYGEPRKLLTQDWVQENYLEYRQVPGSNPARYEFLWGPRALA ETSYYKVL EHVVRVNARVRIAYPSLREAALLEEEEGV  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001011550</a>
RefSeq Size:	1712
RefSeq ORF:	951
Synonyms:	CT1.4; MAGE-41; MAGE-X2; MAGE4; MAGE4A; MAGE4B
Locus ID:	4103



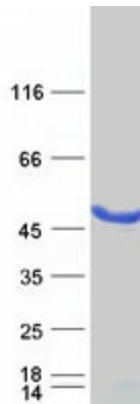
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UniProt ID: [P43358](#), [A0A024RC12](#)

Cytogenetics: Xq28

**Summary:** 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. Several variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2020]

### Product images:



Coomassie blue staining of purified MAGEA4 protein (Cat# [TP323991]). The protein was produced from HEK293T cells transfected with MAGEA4 cDNA clone (Cat# [RC223991]) using MegaTran 2.0 (Cat# [TT210002]).