

## Product datasheet for PH318575

### MAGEA5P (NM\_021049) Human Mass Spec Standard

#### Product data:

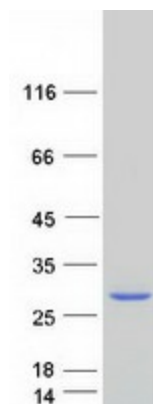
Product Type:	Mass Spec Standards
Description:	MAGEA5 MS Standard C13 and N15-labeled recombinant protein (NP_066387)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218575
Predicted MW:	13 kDa
Protein Sequence:	>RC218575 protein sequence Red=Cloning site Green=Tags(s)  MSLEQKSQHKPEEGLDTQEEALGLVGVAATTEEQEAVSSSSPLVPGTLGEVPAAGSPGPLKSPQGASA IPTAIDFTLWRQSIKSSNQEEEGPSTSPDPESVFRAALSKKVADLIHFLLKLY  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_066387</a>
RefSeq Size:	1664
RefSeq ORF:	372
Synonyms:	CT1.5; MAGE5; MAGEA4
Locus ID:	4104
UniProt ID:	<a href="#">P43359</a>
Cytogenetics:	Xq28



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**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. This MAGEA gene is interpreted to be a pseudogene. Read-through transcription exists between this gene and the upstream melanoma antigen family A, 10 (MAGEA10) gene. [provided by RefSeq, Dec 2020]

**Product images:**

Coomassie blue staining of purified MAGEA5 protein (Cat# [TP318575]). The protein was produced from HEK293T cells transfected with MAGEA5 cDNA clone (Cat# [RC218575]) using MegaTran 2.0 (Cat# [TT210002]).