

Recombinant Human MAGEB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAGEB1-1259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAGEB1 MS Standard C13 and N15-labeled recombinant protein (NP_796379) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the MAGEB gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 68% sequence identity to each other. The promoters and first exons of the MAGEB genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. This gene is localized in the DSS (dosage-sensitive sex reversal) critical region, and expressed in testis and in a significant fraction of tumors of various histological types. This gene and other MAGEB members are clustered on chromosome Xp22-p21. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene, however, the full length nature of some variants has not been defined.
Molecular Mass	39.2 kDa
AA Sequence	MPRGQKSKLRAREKRRKAREETHYLKVAHATAAEKEECPSSSPVLGDTPTSSPAAG IPQKPQGAPPTTTAAAVSCTESDEGA KCQGEENASFSQATTSTESSVKDPVAWEA

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GMLMHFILRKYKMREPIMKADMLKVVDKEYKEYFTEILNGASRRLELVFGLDLKEDN
 PSGHTYTLVSKLNLNDGNLSNDWDFPRNGLLMPLLGVIFLKGNSATEEEIWKFMNV
 LGAYDGEEHLIYGEPKRFITQDLVQEKYLYEQVPNSDPPRYQFLWGPRAYAETTK
 MKVLEFLAKMNGATPRDFPSHYEEALRDEEERAQVRSSVRARRRTTATTFRARSRA
 PFSRSSHPMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [MAGEB1 MAGE family member B1 \[Homo sapiens \(human\) \]](#)

Official Symbol [MAGEB1](#)

Synonyms MAGEB1; MAGE family member B1; CT3.1; DAM10; MAGEL1; MAGE-Xp; melanoma-associated antigen B1; DSS/AHC critical interval MAGE superfamily 10; MAGE-B1 antigen; MAGE-XP antigen; cancer/testis antigen 3.1; cancer/testis antigen family 3, member 1; melanoma antigen family B, 1; melanoma antigen family B1

Gene ID [4112](#)

mRNA Refseq [NM_177404](#)

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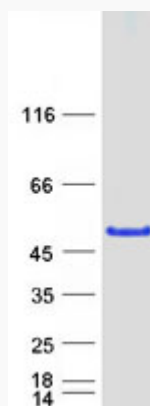
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Protein Refseq [NP_796379](#)

MIM [300097](#)

UniProt ID [P43366](#)

SDS-PAGE



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