Melanoma-Associated Antigen D1 (MAGED1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Melanoma-associated antigen D1 (Maged1), Recombinant Protein
Full Product Name	Recombinant Mouse Melanoma-associated antigen D1 (Maged1)
Product Gene Name	Maged1 recombinant protein
Product Synonym Gene Name	Maged1
Sequence	MAQKPDGGAG LRGFQAEASV EDSALLVQTL MEAIQISEAP PTSQATAAAS GPNASPQSSQ PPTANEKADT EVSAAAARPK TGFKAQNATT KGPNDYSQAR NAKEMPKNQS KAAFKSQNGT PKGPHAASDF SQAAPTGKSA KKSEMAFKGQ NSTKAGPGTT YNFPQSPSAN EMTNNQPKTA KAWNDTTKVP GADAQTQNVN QAKMADVGTS AGISEADGAA AQTSADGSQT QNVESRTIIR GKRTRKVNNL NVEENNSGDQ RRASLASGNW RSAPVPVTTQ QNPPGAPPNV VWQTPLAWQN PSGWQNQTAR QTPPAARQSP PARQTPSAWQ NPVAWQNPVI WPNPVIWQNP VIWPNPIVWP GPIVWPNPMA WQSTPGWQSP PSWQAPPSWQ SPQDWQGPPD WQVPPDWSMP PDWSFPSDWP FPPDWIPADW PIPPDWQNLR PSPNLRSSSN SRASQNQGPP QPRDVALLQE RANKLVKYLM LKDYTKVPIK RSEMLRDIIR EYTDVYPEII ERACFVLEKK FGIQLKEIDK EEHLYILIST PESLAGILGT TKDTPKLGLL LVILGIIFMN GNRATEAVLW EALRKMGLRP GVRHPLLGDL RKLLTYEFVK QKYLDYRRVP NSNPPEYEFL WGLRSYHETS KMKVLRFIAE VQKRDPRDWT AQFMEAADEA LDALDAAAAE AEARAEARNR MGIGDEAVSG PWSWDDIEFE LLTWDEEGDF GDPWSRIPFT FWARYHQNAR SRFPQAFTGP IIGPSGTATA NFAANFGAIG FFWVE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	85,670 Da
Sequence Positions	1-775, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9QYH6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Maged1 recombinant protein	This gene is a member of the melanoma antigen gene (MAGE) family. Most of the genes of this family encode tumor specific antigens that are not expressed in normal adult tissues except testis. Although This protein shares strong homology with members of the MAGE family, it is expressed in almost all normal adult tissues. This gene has been demonstrated to be involved in the p75 neurotrophin receptor mediated programmed cell death pathway. Three transcript variants encoding two different isoforms have been found for this gene.
Other Notes	Small volumes of Maged1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Maged1 purchase	MBS1341797 is a recombinant protein targeting Maged1. Also known as Recombinant Mouse Melanoma-associated antigen D1 (Maged1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Maged1. It may not necessarily be applicable to this product.

NCBI GI #	9789935
NCBI GeneID	94275
NCBI Accession #	NP_062765.1
UniProt Primary Accession #	Q9QYH6
UniProt Secondary Accession #	Q543L6; Q99PB5; Q9CYX1
UniProt Related Accession #	Q9QYH6
GenBank Nucleotide #	NM_019791.2
NCBI Official Full Name	melanoma-associated antigen D1
NCBI Official Synonym Full Names	melanoma antigen, family D, 1
NCBI Official Symbol	Maged1
NCBI Official Synonym Symbols	NRAGE; Dlixin; Dlxin1; Dlxin-1; MAGE-D1; mFLJ00163; DXBwg1492e; 2810433C11Rik; 5430405L04Rik
UniProt Protein Name	Melanoma-associated antigen D1
UniProt Synonym Protein Names	Dlxin-1; MAGE-D1 antigen; Neurotrophin receptor-interacting MAGE homolog
Protein Family	Melanoma-associated antigen
UniProt Gene Name	Maged1
UniProt Synonym Gene Names	Nrage
NCBI Protein Information	melanoma-associated antigen D1
UniProt Comments for Maged1	Involved in the apoptotic response after nerve growth factor (NGF) binding in neuronal cells. Inhibits cell cycle progression, and facilitates NGFR-mediated apoptosis. May act as a regulator of the function of DLX family members. May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. Plays a role in the circadian rhythm regulation. May act as RORA coregulator, modulating the expression of core clock genes such as ARNTL/BMAL1 and NFIL3, induced, or NR1D1, repressed.
Research Articles on Maged1	**1.** Both transient and stable expression of Necdin induced osteoblast-specific markers in an osteogenic cell line through formation of a complex with melanoma-associated antigen D1 (MAGE-D1) and promoter activation.
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