Protein-Arginine Deiminase Type-6 (PADI6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein-arginine deiminase type-6 (Padi6), Recombinant Protein
Full Product Name	Recombinant Mouse Protein-arginine deiminase type-6 (Padi6)
Product Gene Name	Padi6 recombinant protein
Product Synonym Gene Name	Padi6
Sequence	MSFQNSLSLS LVNPTHALCM VGMEITLDIS KCAPDKCKSF TIRGSPRILI HISSSVIAGK EDTVVWRSMN HPTVALVRMV APSPTVDEDK VLVSYFCPDQ EVPTATAVLF LTGIEISLEA DIYRDGQLDM PSDKQAKKKW MWGMNGWGAI LLVNCSPNAV GQPDEQSFQE GPREIQNLSQ MNVTVEGPTS ILQNYQLILH TSEEEAKKTR VYWSQRGSSA YELVVGPNKP VYLLPTFENR RKEAFYVEAT EFPSPSFSGL ISLSLSLVEK AHDECIPEIP LYKDTVMFRV APYIFMPSTQ MPLEVYLCRE LQLQGFVDSV TKLSEKSKVQ VVKVYEDPNR QSKWLQDEMA FCYTQAPHKT VSLILDTPRV SKLEDFPMKY TLTPGSGYLI RQTEDHRVAS LDSIGNLMVS PPVKAQGKDY PLGRVLIGGS FYPSSEGRDM NKGLREFVYA QQVQAPVELF SDWLMTGHMD QFMCFVPTND KNNDQKDFRL LLASPSACFE LFEQKQKEGY GNVTLFEDIG AEQLLSNGRE SKTISQILAD KSFREQNTYV EKCISLNRTL LKTELGLEDK DIILIPQLFC LEQLTNVPSN QQSTKLFARP YFPDMLQIIV LGKNLGIPKP FGPKINGTCC LEEKVCGLLE PLGLKCTFID DFDCYLANIG DVCASAIINR VPFAFKWWKM TP
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	76,778 Da
Sequence Positions	1-682, 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 Q8K3V4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Padi6 recombinant protein	MBS1308160 is a recombinant protein targeting Padi6. Also known as Recombinant Mouse Protein-arginine deiminase type-6 (Padi6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Padi6 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Padi6. It may not necessarily be applicable to this product.

NCBI GI #	119372294
NCBI GeneID	242726

NCBI Accession #	NP_694746.2
UniProt Primary Accession #	Q8K3V4
UniProt Secondary Accession #	Q75WC6
UniProt Related Accession #	Q8K3V4
GenBank Nucleotide #	NM_153106.2
NCBI Official Full Name	protein-arginine deiminase type-6
NCBI Official Synonym Full Names	peptidyl arginine deiminase, type VI
NCBI Official Symbol	Padi6
NCBI Official Synonym Symbols	Pad6; ePAD; Padi5
UniProt Protein Name	Protein-arginine deiminase type-6
UniProt Synonym Protein Names	Arginine deiminase-like protein; Egg and embryo abundant PAD; ePAD; Peptidylarginine deiminase VI; Protein-arginine deiminase type VI
Protein Family	Protein-arginine deiminase
UniProt Gene Name	Padi6
UniProt Synonym Gene Names	Pad6; Padi5; ePAD
NCBI Protein Information	protein-arginine deiminase type-6
UniProt Comments for Padi6	Catalyzes the deimination of arginine residues of proteins (). May be involved in cytoskeletal reorganization in the egg and early embryo (PubMed:17587491).
Research Articles on Padi6	**1.** mRNAs, possibly in a complex with MSY2 and PADI6, are bound in the cytoplasmic lattices (CPLs) and may play a role in securing the mRNA-MSY2 complex to the CPLs.
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