Pumilio Domain-Containing Protein KIAA0020 (KIAA0020) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pumilio domain-containing protein KIAA0020 (Kiaa0020), Recombinant Protein
Full Product Name	Recombinant Mouse Pumilio domain-containing protein KIAA0020 (Kiaa0020)
Product Gene Name	Kiaa0020 recombinant protein
Product Synonym Gene Name	Kiaa0020
Sequence	MEVKGKKKFT GKSPQTSQGK NKFHKNSESS SSKTFPRKAV KEGGPKVTSK NFEKGATKPG KKGVKQFKNK PQGGKGPKDK FQKANKFSKK RKFQPDGESD ESGAKKPKWD DFKKKKKELK QSRQLSDKTN YDIVVRAKHI WESLRRKDCD KEKRVKLMSD LQKLIQGKIK TIAFAHDSTR VIQCFIQYGN EEQRKQAFQE LQGDLVELSK AKYSRNIVKK FLMYGSKPQV AEIIRSFKGH VRKMLRHSEA SAIVEYAYND KAILEQRNML TEELYGNTFQ LYKSADHPTL DKVLELQPAK LELIMDEMKQ ILTPMAQKEA VIKHSLVHKV FLDFFTYAPP KPRSELIEAI REAVVYLAHT HDGARVAMHC LWHGTPKDRK VIVKTMKTYV EKVANGQYSH LVLLAAFDCI DDTKLVKQII ISEIISSLPS IVNDKYGRKV LLYLMSPRDP AHTVPELIEL LQKGDGNAHS KKDTAIRRRE LLESISPALL SYLQGHTQEV VLDKSACVLV SDMLGSATGD VQPAMDAIAS LAAAELHPGG KDGELHVAEH PAGHLVLKWL LEQDKKMKES GKEGCFAKTL VERVGMKNLK SWASINRGAI ILSSLLQSCD QEVVNKVKGG LKPLIPTLEK NKSSSRGIQT LLEKLTA
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	72,800 Da
Sequence Positions	1-647, 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 Q8BKS9
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Kiaa0020 recombinant protein	MBS1417013 is a recombinant protein targeting Kiaa0020. Also known as Recombinant Mouse Pumilio domain-containing protein KIAA0020 (Kiaa0020). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Kiaa0020 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 Kiaa0020. It may not necessarily be applicable to this product.

NCBI GI #	29126213

NCBI GeneID	52874
NCBI Accession #	NP_803425.1
UniProt Primary Accession #	Q8BKS9
UniProt Secondary Accession #	Q6A0E6; Q8BU15
UniProt Related Accession #	Q8BKS9
GenBank Nucleotide #	NM_177474.5
NCBI Official Full Name	pumilio homolog 3
NCBI Official Synonym Full Names	pumilio RNA-binding family member 3
NCBI Official Symbol	Pum3
NCBI Official Synonym Symbols	AA675048; D19Bwg1357e; 1110069H02Rik
UniProt Protein Name	Pumilio homolog 3
UniProt Gene Name	Pum3
NCBI Protein Information	pumilio homolog 3
NCBI Summary for Kiaa0020	This gene encodes a member of the evolutionarily conserved Pumilio and Fem-3 mRNA-binding factor family of proteins, which are characterized by tandem 36 amino acid pumilio homolog domains and which function in diverse biological processes. This protein belongs to a group of atypical Pumilio and Fem-3 mRNA-binding factor proteins, whose members are distinguished from other Pumilio and Fem-3 mRNA-binding factor proteins by a novel protein fold with 11 pumilio homolog domains and an ability to bind to DNA and single- and double-stranded RNA without sequence specificity. In mouse, lower levels of gene expression have been correlated with increased testicular germ cell tumors. A pseudogene of this gene is found on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]
UniProt Comments for Kiaa0020	Inhibits the poly(ADP-ribosyl)ation activity of PARP1 and the degradation of PARP1 by CASP3 following genotoxic stress. Binds to double-stranded RNA or DNA without sequence specificity. Involved in development of the eye and of primordial germ cells.
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