Pumilio Domain-Containing Protein KIAA0020 Homolog (PUM3) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pumilio domain-containing protein KIAA0020 homolog (Pum3), Recombinant Protein
Full Product Name	Recombinant Rat Pumilio domain-containing protein KIAA0020 homolog
Product Gene Name	Pum3 recombinant protein
Sequence	MEVKGKKKIT GKSPQTSQGK NKFHKNSESS SAKAFPRKAA KEGGPKVTSK NFEKGATKPG KKRVKQFKNK PQGGKGPKDK FQKANKFNKK RKFQPDGKSD ESAAKKPKWD DFKKKKKELK QNRQLSDKTN YDVVVRAKHI WESLRRKDCD KEKRVKLMSD LQKLIQGKIK TIAFAHDSTR VIQCLIQYGS EEQRKWAFEE LQGDLVELSK AKYSRNIVKK FLMYGSKPQI AEIIRSFKGH VRKMLRHSEA SAIVEYAYND KAILEQRNML TEELYGNTFQ LYKSADHPTL EKVLEVQPGK LELILDEMKQ ILTPMAQKEA VIKHSLVHKV FLDFFTYAPP KLRSELIEAI REAVVYLAHT HDGARVAMHC LWHGTPKDRK VIVKTMKTYV EKIANGQYSH LVLLAAFDCI DDTKLVKQII ISEVISSLPS IVNDKYGRKV LLYLLSPRAP AHLVPEIIQL LQKGDGNAHS KKDTAIRRRE LLESISPALL SYLQGHTREV VLDKSVCVLV SDILGSATGD AQPAMDAIAG LAAEELYPGG KDGELHIAEH PAGHLVLKWL IEQDKKIKEN GKEGCFAKTL VECVGMKNLK SWASINRGAI VLSSLLQSCD QDVVNKVKAG LKTLIPTLEK TKSTSKGIQT 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	72,786 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 Q562C7
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pum3 recombinant protein	MBS1330827 is a recombinant protein targeting Pum3. Also known as Recombinant Rat Pumilio domain-containing protein KIAA0020 homolog. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Pum3 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 Pum3. It may not necessarily be applicable to this product.

NCBI GI #	68163507
NCBI GeneID	499339
NCBI Accession #	NP_001020207.1

UniProt Primary Accession #	Q562C7
UniProt Secondary Accession #	Q4G054
UniProt Related Accession #	Q562C7
GenBank Nucleotide #	NM_001025036.1
NCBI Official Full Name	pumilio homolog 3
NCBI Official Synonym Full Names	pumilio RNA-binding family member 3
NCBI Official Symbol	Pum3
UniProt Protein Name	Pumilio homolog 3
Protein Family	Pumilio
UniProt Gene Name	Pum3
NCBI Protein Information	pumilio homolog 3
UniProt Comments for Pum3	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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