POM121 and ZP3 Fusion Protein (POMZP3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	POM121 and ZP3 fusion protein (POMZP3), Recombinant Protein
Full Product Name	Recombinant Human POM121 and ZP3 fusion protein (POMZP3)
Product Gene Name	POMZP3 recombinant protein
Product Synonym Gene Name	POMZP3
Sequence	MVCSPVTLRI APPDRRFSRS AIPEQIISST LSSPSSNAPD PCAKETVLSA LKEKKKKRTV EEEDQIFLDG QENKRSCLVD GLTDASSAFK VPRPGPDTLQ FTVDVFHFAN DSRNMIYITC HLKVTLAEQD PDELNKACSF SKPSNSWFPV EGLADICQCC NKGDCGTPSH SRRQPRVVSQ WSTSASL
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	12,695 Da
Sequence Positions	1-187, 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.
OMIM	600587
3D Structure	ModBase 3D Structure for Q6PJE2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POMZP3 recombinant protein	This gene appears to have resulted from a fusion of DNA sequences derived from 2 distinct loci, specifically through the duplication of two internal exons from the POM121 gene and four 3 exons from the ZP3 gene. The 5 end of this gene is similar to the 5` coding region of the POM121 gene which encodes an integral nuclear pore membrane protein. However, This protein lacks the nuclear pore localization motif. The 3 end of this gene is similar to the last 4 exons of the zona pellucida glycoprotein 3 (ZP3) gene and the encoded protein retains one zona pellucida domain. Multiple protein isoforms are encoded by transcript variants of this gene.
Other Notes	Small volumes of POMZP3 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 POMZP3 purchase	MBS1283253 is a recombinant protein targeting POMZP3. Also known as Recombinant Human POM121 and ZP3 fusion protein (POMZP3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POMZP3. It may not necessarily be applicable to this product.

NCBI GI #	111160500
NCBI GeneID	22932
NCBI Accession #	NP_036362.3
UniProt Primary Accession #	Q6PJE2
UniProt Secondary Accession #	Q12903; Q9BWB4; F6STJ3
UniProt Related Accession #	Q6PJE2; A56844
GenBank Nucleotide #	NM_012230.3
NCBI Official Full Name	POM121 and ZP3 fusion protein isoform 1
NCBI Official Synonym Full Names	POM121 and ZP3 fusion
NCBI Official Symbol	POMZP3
NCBI Official Synonym Symbols	POM121; POM-ZP3
UniProt Protein Name	POM121 and ZP3 fusion protein
Protein Family	POM121 and ZP3 fusion protein
UniProt Gene Name	POMZP3
UniProt Synonym Gene Names	POM-ZP3
NCBI Protein Information	POM121 and ZP3 fusion protein
NCBI Summary for POMZP3	This gene appears to have resulted from a fusion of DNA sequences derived from 2 distinct loci, specifically through the duplication of two internal exons from the POM121 gene and four 3' exons from the ZP3 gene. The 5' end of this gene is similar to the 5` coding region of the POM121 gene which encodes an integral nuclear pore membrane protein. However, the protein encoded by this gene lacks the nuclear pore localization motif. The 3' end of this gene is similar to the last 4 exons of the zona pellucida glycoprotein 3 (ZP3) gene and the encoded protein retains one zona pellucida domain. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]
Research Articles on POMZP3	**1.** We observed functional nuclear pore complexes and intact nuclear envelopes in severely POM121-depleted cells.
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