

Zona pellucida sperm-binding protein 3 Recombinant Protein | ZP3 recombinant protein

Recombinant Human Zona pellucida sperm-binding protein 3

CATALOG # AAA113866	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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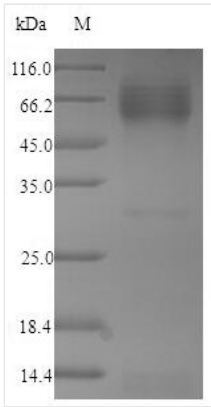
PRODUCT SYNONYMS

Zona pellucida sperm-binding protein 3; Recombinant Human Zona pellucida sperm-binding protein 3; Sperm receptor; ZP3A/ZP3B; Zona pellucida glycoprotein 3; Zp-3; Zona pellucida protein C; Cleaved into the following chain: Processed zona pellucida sperm-binding protein 3; ZP3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	23-387aa; Partial
Sequence	QPLWLLQGGA SHPETSVPV LVECQEATLM VMVSKDLFGT GKLIRAADLT LGPEACEPLV SMDTEDVVRF EVGLHECGNS MQVTDDALVY STFLLDHPRP VGNLSIVRTN RAEIPIECRY PRQGNVSSQA ILPTWLPRFT TVFSEEKLTf SLRLMEENWN AEKRSPTFHL GDAHLQAEI HTGSHVPLRL FVDHCVATPT PDQNASPYHT IVDFHGCLVD GLTDASSAFK VPRPGPDTLQ FTVDVFHFAN DSRNMIYITC HLKVTLAEQD PDELNKACSF SKPSNSWFPV EGSADICQCC NKGDCGTPSH SRRQPHVMSQ WSRASARNRR HVTEEADVTV GPLIFLDRRG DHEVEQWALP SDTSV
Sequence Length	387
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli, Mammalian-Cell host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli, Mammalian-Cell host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli, Mammalian-Cell host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli, Mammalian-Cell host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ZP3 recombinant protein	The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP3 is essential for sperm binding and zona matrix formation.
Product Categories/Family for ZP3 recombinant protein	Developmental Biology
References	"Cloning and characterization of the human sperm receptor ligand ZP3: evidence for a second polymorphic allele with a different frequency in the Caucasian and Japanese populations." van Duin M., Polman J.E., Verkoelen C.C., Bunschoten H., Meyerink J.H., Olijve W., Aitken R.J. Genomics 14:1064-1070(1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	160358850
NCBI GeneID	7784
NCBI Accession #	NP_001103824.1
NCBI GenBank Nucleotide #	NM_001110354.1
UniProt Accession #	P21754; Q06633; Q29RW0
Molecular Weight	44.6 kDa
NCBI Official Full Name	zona pellucida sperm-binding protein 3 isoform 1
NCBI Official Synonym Full Names	zona pellucida glycoprotein 3 (sperm receptor)
NCBI Official Symbol	ZP3
NCBI Official Synonym Symbols	ZPC; ZP3A; ZP3B; Zp-3
NCBI Protein Information	zona pellucida sperm-binding protein 3
UniProt Protein Name	Zona pellucida sperm-binding protein 3
UniProt Gene Name	ZP3
UniProt Synonym Gene Names	ZP3A; ZP3B; ZPC; Zp-3
UniProt Entry Name	ZP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

