

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

Recombinant Human Zona pellucida sperm-binding protein 3 (ZP3), partial

CATALOG # AAA309815	HOST E Coli	REACTIVITY Human
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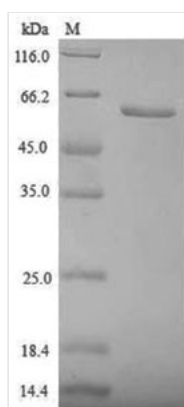
PRODUCT SYNONYMS

Zona pellucida sperm-binding protein 3 (ZP3); Recombinant Human Zona pellucida sperm-binding protein 3 (ZP3); partial; Sperm receptor; ZP3A; ZP3B; Zona pellucida glycoprotein 3; Short name: 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
Reactivity	Human
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer, 50% glycerol
Sequence Positions	Extracellular Domain, 23-387aa
Sequence	QPLWLLQGGA SHPETSVPV LVECQEATLM VMVSKDLFGT GKLIRAADLT LGPEACEPLV SMDTEDVVR EVGLHECGNS MQVTDDALVY STFLLHDP RP VGNLSIVRTN RAEIPIECRY PRQGNVSSQA ILPTWLPFRT TVFSEEKLT SLRLMEENWN AEKRSPTFHL GDAHLQAEI HTGSHVPLRL FVDHCVATPT PDQNASPYHT IVDFHGCLVD GLTDASSAFK VPRPGPDTLQ FTVDVFHFAN DSRNMIYITC HLKVTLAEQD PDELNKACSF SKPSNSWFPV EGSADICQCC NKGDCGTPSH SRRQPHVMSQ WSRASARNRR HVTEEADTV GPLIFLDRRG DHEVEQWALP SDTSV
Tag Info	N-terminal 6xHis-SUMO-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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.
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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	56.6 kDa
NCBI Official Full Name	zona pellucida sperm-binding protein 3 isoform 1
NCBI Official Synonym Full Names	zona pellucida glycoprotein 3
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

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.