



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

Product Code	CSB-EP027121HU-B
Relevance	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.
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.
Uniprot No.	P21754
Alias	Sperm receptorZP3A/ZP3BZona pellucida glycoprotein 3 ;Zp-3Zona pellucida protein C
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	QPLWLLQGGASHPETSVPVLEVCQEATLMVMVSKDLFGTGKLIRAADLTGLP EACEPLVSMDETVVRFVGLHECGNSMQVTDDALVYSTFLLHDPRPVGNLSI VRTNRAEPIECRYPRQGNVSSQAILPTWLPFRRTTVFSEEKLTFSRLMEENWN AEKRSPTFHLGDAHLQAEIHTGSHVPLRLFVDHCVATPTPDQNASPYHTIVDF HGCLVDGLTDASSAFKVP RGPDTLQFTVDV FHFANDSRNMIYITCHLKVTLAE QDPDELNKACFSKPSNSWFPVEGSADICQCCNKGDGTPSHSRRQPHVMS QWSRS
Research Area	Developmental Biology
Source	E.coli
Target Names	ZP3
Protein Names	Recommended name: Zona pellucida sperm-binding protein 3Alternative name(s): Sperm receptor ZP3A/ZP3B Zona pellucida glycoprotein 3 Short name= Zp-3 Zona pellucida protein CCleaved into the following chain: 1. Processed zona pelluc
Expression Region	23-346aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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