

Recombinant Human ZP3 Protein (23-346 aa), GST-tagged

Cat. No. ZP3-1275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ZP3 Protein (23-346 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Developmental Biology. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	23-346 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	63.0 kDa
AA Sequence	QPLWLLQGGASHPETSVPVLVECEATLMVMVSKDLFGTGKLRRAADLTGPEAC EPLVSMDDTEVVRFVGLHECGNSMQVTDDALVYSTFLLHDPRPVGNSIVRTNRA EIPICRYPRQGNVSSQAILPTWLPFRTTVFSEEKLTFSRLMEENWNAEKRSPTFHL GDAHLQAEIHTGSHVPLRLFVDHCVATPTPDQNASPYHTIVDFHGCLVDGLTDASS AFKVPRPGPDTLQFTVDVFHFANDSRNMIYITCHLKVTLAEQDPDELNKACSFSPKPS NSWFPVEGSADICQCCNKGDCGTPSHSRRQPHVMSQWSRS

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

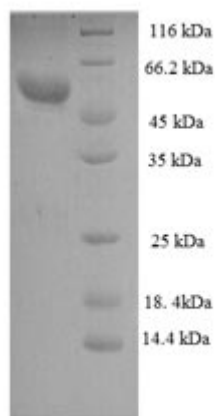
GENE INFORMATION

Gene Name	ZP3 zona pellucida glycoprotein 3 (sperm receptor) [Homo sapiens]
Official Symbol	ZP3
Synonyms	ZP3; ZP3 372; ZP3 424; ZP3A/ZP3B; ZPC; ZP3A; ZP3B; Zp-3;
Gene ID	7784
mRNA Refseq	NM_001110354
Protein Refseq	NP_001103824
MIM	182889
UniProt ID	P21754

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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