

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

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

SPECIFICATION

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| 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 | <p>QPLWLLQGGASHPETSVPVLVECQEATLMVMVSKDLFGTGKLRAADTLGPEAC EPLVSMDDTEVVRFVGLHECGNSMQVTDDALVYSTFLLHDP RPVGNLSIVRTNRA EIPICRYPRQGNVSSQAILPTWLPFRRTTVFSEEKLTFSRLMEENWNAEKRSPTFHL GDA AHLQAEIHTGSHVPLRLFVDHCVATPTPDQNASPYHTIVDFHGCLVDGLTDASS AFKVPRPGPDTLQFTVDVHFHFANDSRNMIYITCHLKVTLAEQDPDELNKACSF SKPS NSWFPVEGSADICQCCNKGDCGTPSHSRRQPHVMSQWSRS</p> |

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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. |

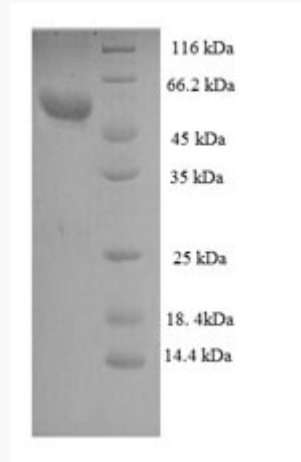
GENE INFORMATION

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|------------------------|---------------------------------------------------------------------|
| 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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