

## Recombinant Mouse Zp2 Protein, Myc/DDK-tagged

Cat. No. Zp2-7123M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse zona pellucida glycoprotein 2 (Zp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the zona pellucida family of glycoproteins that play an important role in the survival of growing oocytes, successful fertilization and the passage of early embryos through the oviduct. The encoded preproprotein undergoes proteolytic processing to generate the mature polypeptide that is incorporated into the extracellular matrix surrounding mouse oocytes. Mice lacking the encoded protein develop defective zonae pellucidae that disrupt folliculogenesis, fertility and development. [provided by RefSeq, Sep 2016]
<b>Molecular Mass</b>	80.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Zp2 zona pellucida glycoprotein 2 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Zp2](#)

**Synonyms** Zp2; zona pellucida glycoprotein 2; Zp-; Zp-2; zona pellucida sperm-binding protein 2; zona pellucida glycoprotein ZP2; zona pellucida protein A

**Gene ID** [22787](#)

**mRNA Refseq** [NM\\_011775](#)

**Protein Refseq** [NP\\_035905](#)

**UniProt ID** [P20239](#)

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