

Recombinant Rat Zp2 protein, His & T7-tagged

Cat. No. Zp2-7942R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Zp2 aa. (Leu353~Pro616 (Accession # O54767)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Leu353~Pro616
Description	Glycoprotein component of the zona pellucida.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

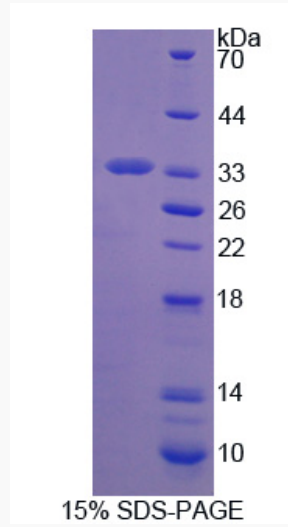
Gene Name	Zp2 zona pellucida glycoprotein 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Zp2
Synonyms	Zp2; zona pellucida glycoprotein 2; Zp-2; zona pellucida sperm-binding protein 2; zona pellucida 2 glycoprotein; zona pellucida glycoprotein 2 (sperm receptor); zona pellucida glycoprotein ZP2; zona pellucida protein A
Gene ID	81828
mRNA Refseq	NM_031150.1
Protein Refseq	NP_112412.1
UniProt ID	O54767

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SDS-PAGE



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