

Recombinant Mouse Zp1 Protein, His&GST-tagged

Cat. No. Zp1-607M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Zp1 Protein (His24-Pro261) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	His24-Pro261
Description	This gene encodes a protein that is clearly involved in kinetochore function although an exact role is not known. It interacts with ZW10, another kinetochore protein, possibly regulating the association between ZW10 and kinetochores. The encoded protein localizes to prophase kinetochores before ZW10 does and it remains detectable on the kinetochore until late anaphase. It has a uniform distribution in the cytoplasm of interphase cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.2 kDa Accurate Molecular Mass: 50 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Zp1 zona pellucida glycoprotein 1 [Mus musculus (house mouse)]
Official Symbol	Zp1
Synonyms	ZP1; zona pellucida glycoprotein 1; zona pellucida sperm-binding protein 1; zp-1
Gene ID	22786
mRNA Refseq	NM_009580
Protein Refseq	NP_033606
UniProt ID	Q62005

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