

Recombinant Rat Tnp2 Protein, His&GST-tagged

Cat. No. Tnp2-464R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnp2 Protein (Met1-Lys114) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Lys114
Description	Enables zinc ion binding activity. Predicted to be involved in positive regulation of protein processing; single fertilization; and spermatogenesis, exchange of chromosomal proteins. Predicted to act upstream of or within binding activity of sperm to zona pellucida and flagellated sperm motility. Located in nucleus. Orthologous to human TNP2 (transition protein 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.8 kDa Accurate Molecular Mass: 43 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

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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

Tnp2 transition protein 2 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Tnp2

Synonyms

Tnp2; transition protein 2; nuclear transition protein 2; TP-2; TP2; haploid expressed, male germcell specific, chromatin binding

Gene ID

24840

mRNA Refseq

NM_017057

Protein Refseq

NP_058753

UniProt ID

P11101

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