

Recombinant Rat Tpm3 Protein, His-tagged

Cat. No. Tpm3-471R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tpm3 Protein (Ala2-Met248) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala2-Met248
Description	Predicted to enable actin filament binding activity. Involved in brain development. Located in brush border. Human ortholog(s) of this gene implicated in congenital fiber-type disproportion and nemaline myopathy 1. Orthologous to human TPM3 (tropomyosin 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.6 kDa Accurate Molecular Mass: 35 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 accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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

Tpm3 tropomyosin 3, gamma [*Rattus norvegicus* (Norway rat)]

Official Symbol

Tpm3

Synonyms

TPM3; tropomyosin 3, gamma; tropomyosin alpha-3 chain; tropomyosin-3; tropomyosin-5; gamma-tropomyosin; tropomyosin non-muscle; nonmuscle tropomyosin 5; Tpm5; TM30nm

Gene ID

117557

mRNA Refseq

NM_057208

Protein Refseq

NP_476556

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