Recombinant Human TNS1 protein, His & T7-tagged

Cat. No. TNS1-8082H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNS1 aa. (Ser4~Gly307 (Accession # Q9HBL0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser4~Gly307
Description	The protein encoded by this gene localizes to focal adhesions, regions of the plasma membrane where the cell attaches to the extracellular matrix. This protein crosslinks actin filaments and contains a Src homology 2 (SH2) domain, which is often found in molecules involved in signal transduction. This protein is a substrate of calpain II. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.6.

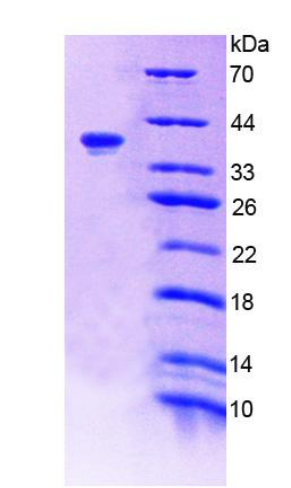
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	TNS1 tensin 1 [Homo sapiens (human)]
Official Symbol	TNS1
Synonyms	TNS; MXRA6; MST091; MST122; MST127; MSTP091; MSTP122; MSTP127; PPP1R155; Matrix-remodelling-associated protein 6; matrix-remodelling associated 6; protein phosphatase 1, regulatory subunit 155; tensin-1
Gene ID	7145
mRNA Refseq	NM_001308022.1

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Protein Refseq	NP_001294951.1
UniProt ID	Q9HBL0
SDS-PAGE	 15% SDS-PAGE

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