

Recombinant Human TRNA Phosphotransferase 1, His-tagged

Cat. No. TRPT1-1327H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TRPT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	TRPT1, also known as tRNA 2"-phosphotransferase 1, catalyzes the last step of tRNA splicing, the transfer of the splice junction 2"-phosphate from ligated tRNA to NAD to produce ADP-ribose 1"-2" cyclic phosphate.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 20% glycerol, 0.1 M NaCl.
Molecular Weight	30.3 kDa (277 aa), confirmed by MALDI-TOF
Purity	> 95 % by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHMNFSGG GRQEAAGSRG RRAPRPREQD RDVQLSKALS YALRHGALKL GLPMGADGFV PLGTLLQLPQ FRGFS AEDVQ RVVD TNRKQR FALQLGDPST GLLIRANQGH SLQVPKLELM PLETPQALPP MLVHGTFWKH WPSILLKGLS CQGRTHIHLA PGLPGDPGII SGMRS HCEIA VFIDGPLALA DGIPFFRSAN GVILTPGNTD GFLLPKYFKE ALQLRPTRKP

 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

LSLAGDEETE CQSSPKHSSR ERRRIQQ

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TRPT1 tRNA phosphotransferase 1 [Homo sapiens]

Official Symbol

TRPT1

Synonyms

TRPT1; tRNA phosphotransferase 1; MGC11134; tRNA 2"-phosphotransferase 1; OTTHUMP00000237038; OTTHUMP00000237040; OTTHUMP00000237336; OTTHUMP00000237493; tRNA splicing 2" phosphotransferase 1; NP_001028850.2; EC 2.7.1.160

Gene ID

83707

mRNA Refseq

NM_001033678

Protein Refseq

NP_001028850

MIM

610470

UniProt ID

Q86TN4

**Chromosome
Location**

11q13

Function

tRNA 2"-phosphotransferase activity; transferase activity, transferring phosphorus-containing groups

 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