

# Product information

## TRPT1, 1-253aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1327

**Full name:** tRNA 2'-phosphotransferase 1

**NCBI Accession No.:** NP\_001153862

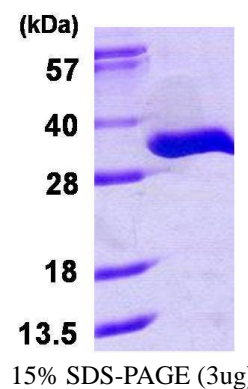
**Description:** TRPT1, also known as tRNA 2'-phosphotransferase 1, catalyzes the last step of tRNA splicing, the transfer of the splice junction 2'-phosphate from ligated tRNA to NAD to produce ADP-ribose 1''-2'' cyclic phosphate. Recombinant human TRPT1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol,  
0.1M NaCl, 1mM DTT

**Molecular Weight:** 30.3 kDa (277aa), confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.25 mg/ml (determined by Bradford assay)



**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MGSMMNFSGG GRQEAAGSRG RRAPRPREQD RDVQLSKALS YALRHGALKL GLPMGADGFV PLGTLLQLPQ  
FRGFS AEDVQ RVVD TNRKQR FALQLGDPST GLLIRANQGH SLQVPKLELM PLETPQALPP MLVHGTFWKH WPSILLKGLS CQGRTHIHLA  
PGLPGDPGII SGMRSHCEIA VFDGPLALA DGIPFFRSAN GVILTPGNTD GFLLPKYFKE ALQLRPTRKP LSLAGDEETE CQSSPKHSSR  
ERRRIQQ

**General references:**

Hu Q.-D., *et al.* (2003) *Cell. Mol. Life Sci.* 60:1725-1732

Mayya V., *et al.* (2009) *Sci. Signal.* 2:RA46-RA46

**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.