

TRPT1, 1-253aa, Human, His tag, E.coli

Cat.NO.: TP04314

3th Edition

Synonyms:tRNA 2'-phosphotransferase 1, MGC11134, tRNA phosphotransferase 1

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMNFSGGGRQEAAGSRGRRAPRPREQDRDVQLSKALSYALRHGALKLGL
PMGADGFVPLGTLQLPQFRGFS AEDVQRVVD TNRKQRFALQLGDPSTGLLIRANQGHS LQV PKLELMPLETPQA
LPPMLVHGTFWKHWPSILLKGLSCQGRTHIHLAPGLPGD PGIISGM RSHCEIAV FIDG PLALADGIPFFRSANGVILTP
GNTDGFLLPKYFKEALQLRPTRKPLSLAGDEETECQSSPKHSSRERRRIQQ

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.