

Recombinant human TRPT1 protein

Catalog Number: ATGP1327

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-253aa

UniProt No.

Q86TN4

NCBI Accession No.

NP_001153862

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

30.3 kDa (277aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MNFSGG GRQEAAGSRG RRAPRPREQD RDVQLSKALS YALRHGALKL

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GLPMGADGFV PLGTLLQLPQ FRGSAEDVQ RVVDTNRKQR FALQLGDPST GLLIRANQGH SLQVPKLELM PLETPQALPP
MLVHGTFWKH WPSILLKGLS CQGRTHIHLA PGLPGDPGII SGMRSHECIA VFIDGPLALA DGIPFFRSAN GVILTPGNTD
GFLLPKYFKE ALQLRPTRKP LSLAGDEETE CQSSPKHSSR ERRRIQQ

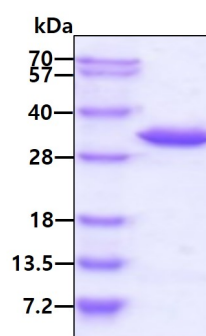
General References

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

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.