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TRPT1 Human

Catalog #:ENPS-215

For research use only.

Description:TRPT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 277 amino acids (1-253) and having a molecular mass of 30.3kDa.TRPT1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:tRNA 2'-phosphotransferase 1, TRPT1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMNFSGG GRQEAAGSRG RRAPRPREQD RDVQLSKALS YALRHGALKL GLPMGADGFV PLGTLLQLPQ FRGFSAEDVQ RVVDTNRKQR FALQLGDPST GLLIRANQGH SLQVPKLELM PLETPQALPP MLVHGTFWKH WPSILLKGLS CQGRTHIHLA PGLPGDPGII SGMRSHCEIA VFIDGPLALA DGIPFFRSAN GVILTPGNTD GF

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The TRPT1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
tRNA 2'-phosphotransferase 1 (TRPT1) is a member of the KptA/TPT1 family. TRPT1 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. TRPT1 is broadly expressed; it is weakly or not expressed in the lung, spleen, small intestine and peripheral blood leukocytes.

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