

Recombinant human TACO1 protein

Catalog Number: ATGP2400

PRODUCT INFORMATION

Expression system

E.coli

Domain

61-297aa

UniProt No.

Q9BSH4

NCBI Accession No.

NP_057444

Alternative Names

Translational activator of cytochrome c oxidase 1, Translational activator of cytochrome c oxidase 1, CCDC44

PRODUCT SPECIFICATION

Molecular Weight

28.8 kDa (260aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 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

TACO1 is a mitochondrial protein that function as a translational activator of mitochondrially-encoded cytochrome c oxidase 1. Mutations in this gene are associated with Leigh syndrome. Recombinant human TACO1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSNKWSKVR HIKGPKDVER SRIFSKLCLN IRLAVKEGGP NPEHNSNLAN ILEVCRSKHM

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PKSTIETALK MEKSKDTYLL YEGRGPGGSS LLIEALSNSS HKCQADIRHI LNKNGGVMAM GARHSFDKKG VIVVEVEDRE
KKAIVNLERAL EMAIEAGAED VKETEDDEER NVFKFICDAS SLHQVRKKLD SLGLCSVSCA LEFIPNSKVQ LAEPDLEQAA
HLIQALSNHE DVIHVYDNIE

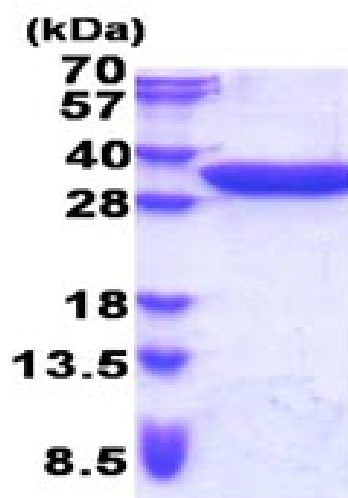
General References

Weraarpachai W., et al. (2009) Nat. Genet. 41:833-837

Burkard T.R., et al. (2011) BMC Syst. Biol. 5:17-17

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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