

Recombinant human TOMM20 protein

Catalog Number: ATGP2112

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-145aa

UniProt No.

Q15388

NCBI Accession No.

NP_055580

Alternative Names

Translocase of outer mitochondrial membrane 20, Translocase of outer mitochondrial membrane 20 homolog, Translocase of outer mitochondrial membrane 20 homolog type II, Mitochondrial import receptor subunit TOM20 homolog, Mitochondrial 20 kDa outer membrane protein, Outer mitochondrial membrane receptor Tom20, TOM20, MOM19, MAS20

PRODUCT SPECIFICATION

Molecular Weight

16.2 kDa (144aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM 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

Mitochondrial import receptor subunit TOMM20 homolog, also known as TOMM20, belongs to the Tom20 family. The Tom machinery consists of import receptors for the initial binding of cytosolically synthesized preproteins and a general import pore (GIP) for the membrane translocation of various preproteins into the

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mitochondria. TOMM20 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore. Recombinant human TOMM20 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>DRKRRSD PNFKNRLRER RKKQKLAKER AGLSKLPDLK DAEAVQKFFL
EEIQLGSELL AQGEYEKGVD HLTNAIAVCG QPQQLLQVLQ QTLPPPVFQM LLTKLPTISQ RIVSAQSLAE DDVE

General References

Ahting u., et al. (1999) *J Cell Biol.* 147:959-968.

Brix J., et al. (1999) *J Biol Chem.* 274:16522-16530

DATA

SDS-PAGE

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

