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## Recombinant human TOMM20 protein

Catalog Number: ATGP2112

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

25-145aa

#### **UniProt No.**

015388

## **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**

Mmitochondrial 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**

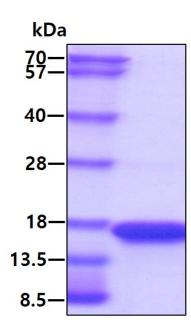
<MGSSHHHHHH SSGLVPRGSH MGS>DRKRRSD PNFKNRLRER RKKQKLAKER AGLSKLPDLK DAEAVQKFFL EEIQLGEELL AQGEYEKGVD HLTNAIAVCG QPQQLLQVLQ QTLPPPVFQM LLTKLPTISQ RIVSAQSLAE DDVE

### **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.

