

Recombinant Human TOMM20, His-tagged

Cat. No. TOMM20-7601H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TOMM20 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	25-145aa
Description	<p>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 mitochondria.</p> <p>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.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM DTT
Molecular Mass	16.2kDa (144aa)
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSDRKRRSD PNFKNRLRER RKKQKLAKER</p> <p>AGLSKLPDLK DAEAVQKFFL EEIQLGEE LL AQGEYEKGV D HLTNAIAVCG</p> <p>QPQQLLQVLQ QTLPPVFQM LLTKLPTISQ RIVSAQSLAE DDVE</p>

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	TOMM20 translocase of outer mitochondrial membrane 20 homolog (yeast) [Homo sapiens]
Official Symbol	TOMM20
Synonyms	TOMM20; translocase of outer mitochondrial membrane 20 homolog (yeast); mitochondrial import receptor subunit TOM20 homolog; KIAA0016; MAS20; MOM19; TOM20; translocase of outer mitochondrial membrane 20 homolog type II; mitochondrial 20 kDa outer membrane protein; outer mitochondrial membrane receptor Tom20; MGC117367;
Gene ID	9804
mRNA Refseq	NM_014765
Protein Refseq	NP_055580
MIM	601848
UniProt ID	Q15388

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Chromosome Location	1q42
Pathway	Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;
Function	P-P-bond-hydrolysis-driven protein transmembrane transporter activity; protein binding; unfolded protein binding;

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