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## Product Data Sheet

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Product Name: TOMM20 Human  
 Cat. No.: GP24858  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mmitochondrial import receptor subunit TOM20 homolog; TOMM20; MAS20; MOM19; KIAA0016; Outer mitochondrial membrane receptor Tom20; Mitochondrial 20 kDa outer membrane protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSDRKRRSD PNFKNRLRER RKKQKLAKER AGLSKLPDLK DAEAVQKFFL EEIQLGEELL AQGEYEKGVD HLTNAIAVCG QPQQLLQVLQ QTLPPPVFQM LLTKLPTISQ RIVSAQSLAE DDVE.		
Formulation	The TOMM20 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 2mM DTT.		

### Introduction

Mmitochondrial import receptor subunit TOMM20 homolog (TOMM20) is a member of 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. TOMM20 acts as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore.

### 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.

### Background

TOMM20 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (25-145) and having a molecular mass of 16.2 kDa. TOMM20 is fused to a 23 amino acid His-tag at N-terminus & purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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proprietary chromatographic techniques.

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