
Product Data Sheet

Product Name: TOMM34 Human
 Cat. No.: GP24859
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HTOM34P; TOM34; URCC3; Mitochondrial import; TOMM34 receptor subunit TOM34; hTom34; Translocase of outer membrane 34 kDa subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAPKFPD SVEELRAAGN ESFRNGQYAE ASALYGRALR VLQAQGSSDP EEESVLYSNR AACHLKDGNC RDCIKDCTSA LALVPFSIKP LLRRASAYEA LEKYPMAYVD YKTVLQIDDN VTSAVEGINR MTRALMDSL G PEWRLKLPSI PLVPVSAQKR WNSLPSENHK EMAKSKSKET TATKNRVPSA GDVEKARVLK EEGNELVKKG NHKKAIEKYS ELLCSNLES ATYSNRALCY LVLKQYTEAV KDCTEALKLD GKNVKAFYRR AQAHKALKDY KSSFADISNL LQIEPRNGPA QKLRQEVKQN LH.		
Formulation	The TOMM34 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Translocase of Outer Mitochondrial Membrane 34 (TOMM34) which is found in the cytoplasm and sometimes associated with the outer mitochondrial membrane is involved in the import of precursor proteins into mitochondria. TOMM34 has a chaperone-like activity, binding the mature portion of unfolded proteins and aiding their import into mitochondria. TOMM34 has a weak ATPase activity and contains 6 TPR repeats.

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.

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

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Background

TOMM34 Human Recombinant produced in E. coli is a single polypeptide chain containing 332 amino acids (1-309) and having a molecular mass of 36.9kDa. TOMM34 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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