

**TOMM34, 1-309aa, Human, His tag, E.coli**

**Cat.NO.: TP04275**

3th Edition

**Synonyms:**mitochondrial import receptor subunit TOM34, HTOM34P, TOM34, URCC3

**Description:**TOMM34 is involved in the import of precursor proteins into mitochondria. The protein has a chaperone-like activity, binding the mature portion of unfolded proteins and aiding their import into mitochondria. This protein, which is found in the cytoplasm and sometimes associated with the outer mitochondrial membrane, has a weak ATPase activity and contains 6 TPR repeats. Recombinant human TOMM34 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**36.9kDa (332aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAPKFPDSVEELRAAGNESFRNGQYAEASALYGRALRVLQAQGSSDPEEE  
SVLYSNRAACHLKDGNCRDCIKDCTSALALVPFSIKPLLRRASAYEALEKYPMAYVDYKTVLQIDDNVTSAVEGINR  
MTRALMDSLGP EWRLKLP SIPLVPVSAQKRWNLSLPS ENHKEMAKSKSKETTATKNRVPSAGDVEKARVLKEEGNE  
LVKKGNHKKAI EK YSELLCSNLESATYSNRALCYLVLKQYTEAVKDCTEALKLDGKNVKAFYRRAQAHKALKDYKS  
SFADISNLLQIEPRNGPAQKLRQEVKQNLH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.