

Recombinant human TOMM34 protein

Catalog Number: ATGP2149

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-309aa

UniProt No.

Q15785

NCBI Accession No.

NP_006800

Alternative Names

mitochondrial import receptor subunit TOM34, HTOM34P, TOM34, uRCC3

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (332aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% 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

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.

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Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMAPKFPD SVEELRAAGN EFRNGQYAE ASALYGRALR VLQAQGSSDP EEESVLYSNR
AACHLKDGNC RDCIKDCTSA LALVPFSIKP LLRRASAYEA LEKYPMAYVD YKTVLQIDDN VTSAVEGINR MTRALMDSL
PEWRLKLP SI PLVPVSAQKR WNSLPSENHK EMAKSKSKET TATKNRVPSA GDVEKARVLK EEGNELVKKG NHKKAIEKYS
ESLLCSNLES ATYSNRALCY LVLKQYTEAV KDCTEALKLD GKNVKAFYRR AQAHKALKDY KSSFADISNL LQIEPRNGPA
QKLRQEVKQN LH

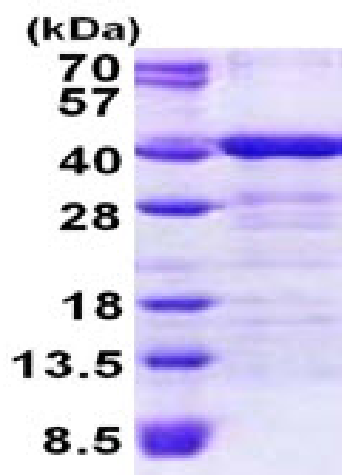
General References

Faou, P., et al. (2012) *Biochim. Biophys. Acta* 1823 (2), 348-357

Blesa, J.R., et al. (2008) *Biochem. Cell Biol.* 86 (1), 46-56

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)