

Recombinant human GET4 protein

Catalog Number: ATGP2559

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-327aa

UniProt No.

Q7L5D6

NCBI Accession No.

NP_057033

Alternative Names

Golgi to ER traffic protein 4 homolog, Golgi to ER traffic protein 4 homolog (S. cerevisiae), C7orf20, CEE, CGI-20, TRC35

PRODUCT SPECIFICATION

Molecular Weight

38.9 kDa (350aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 90% 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

GET4 is a component of the BAT3 complex, a multiprotein complex involved in the post-translational delivery of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane. TA membrane proteins, also named type II transmembrane proteins, contain a single C-terminal transmembrane region. The complex acts by facilitating TA proteins capture by ASNA1/TRC40: it is recruited to ribosomes synthesizing membrane proteins, interacts with the transmembrane region of newly released TA proteins, and transfers them to ASNA1/TRC40 for

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targeting. Recombinant human GET4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

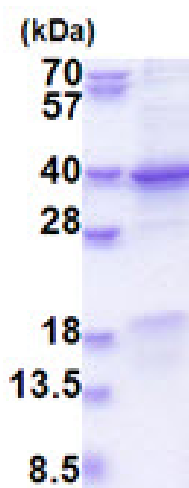
MGSSHHHHHH SSGLVPRGSH MGSMAAAAAM AEQESARNGG RNRGGVQRVE GKLRASVEKG DYYEAHQMYR
TLFFRYMSQS KHTEARELMY SGALLFFSHG QQNSAADLSM LVLESLEKAE VEVAD Ellen LAKVFS LMDP NSPERVTFVS
RALKWSSGGS GKLGHPR LHQ LLALT LWKEQ NYCESRYHFL HSADGEGCAN MLVEYSTSRG FRSEVDMFVA QAVLQFLCLK
NKSSASVVFT TYTQKHP SIE DGPPFVEPLL NFIWFL LLAV DGGKLT VFTV LCEQYQPSLR RDP MYNEYLD RIGQLFFGVP
PKQTSSYGGL LGNLLTSLMG SSEQEDGEES PSDGSPIELD

General References

Mariappan M., Li X., et al. (2010) Nature 466:1120-1124.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)