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AR51379PU-N Human GET4 (1-327, His-tag) - Purified

Alternate names: C7orf20, CEE, CGI-20, Conserved edge-expressed protein, Golgi to ER traffic protein 4 homolog, TRC35, Transmembrane domain recognition complex 35 kDa subunit

Quantity: 0.5 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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 targeting.

Uniprot ID: Q7L5D6

NCBI: NP_057033

GeneID: 51608

Species: Human

Source: E. coli

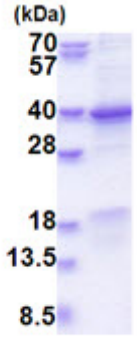
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Description: Recombinant human GET4 protein, fused to His-tag at N-terminus, was expressed in E.coli .
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMAAAAAM AEQESARNGG RNRGGVQRVE GKLRASVEKG
DYYEAHQMYR TLFFRYMSQS KHTEARELMY SGALLFFSHG QQNSAADLSM LVLESLEKAE
VEVADELLEN LAKVFSLMDP NSPERVTFVS RALKWSSGGS GKLGHPRLHQ LLALTLWKEQ
NYCESRYHFL HSADGEGCAN MLVEYSTSRG FRSEVDMFVA QAVLQFLCLK NKSSASVVFT
TYTQKHPSIE DGPPFVEPLL NFIWFLLLAV DGGKLTVFTV LCEQYQPSLR RDPMYNEYLD
RIGQLFFGVP PKQTSSYGGL LGNLLTSLMG SSEQEDGEES PSDGSPIELD
Molecular weight: 38.9 kDa (350aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)