

GET4, 1-327aa Human, His tag, E.coli

Cat.NO.: TP02228

3th Edition

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

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

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight: 38.9 kDa (350aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMAAAAAMAEQESARNGGRNRGGVQRVEGKLRSVEKGDYYEAHQMYRTL
FFRYMSQSKHTEARELMYSGALLFFSHGQQNSAADLSMLVLESLEKAEVEVADELLENLAKVFSLMDPNSPERVTF
VSRALKWSSGGSGKLGHPRHLQLLALTLWKEQNYCESRYHFLHSADGEGCANMLVEYSTSRGFRSEVDMFVAQA
VLQFLCLKNKSSASVVFTTYTQKHPSIEDGPPFVEPLLNFIFLLAVDGGKLTFTVLCEQYQPSLRDPMYNEYL
DRIGQLFFGVPPKQTSSYGGLLGNLLTSLMGSSSEQEDGEESPSDGSPIELD

Purity: > 95% by HPLC

Concentration: 0.5 mg/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.