
Product Data Sheet

Product Name: GET4 Human
 Cat. No.: GP23545
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Golgi to ER traffic protein 4 homolog (S. cerevisiae); C7orf20; CEE; CGI-20; TRC35; Golgi to ER traffic protein 4 homolog; Conserved edge-expressed protein; Transmembrane domain recognition complex 35 kDa subunit; GET4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAAAAM AEQESARNGG RNRGGVQRVE GKLRSVEKG DYEAHQMYR TLFFRYMSQS KHTEARELMY SGALLFFSHG QQNSAADLSM LVLESLEKAE VEVADELLEN LAKVFSLMDP NSPERVTFVS RALKWSSGGS GKLGHPRHLHQ LLALTLWKEQ NYCESRYHFL HSADGEGCAN MLVEYSTSRG FRSEVDMFVA QAVLQFLCLK NKSSASVVFT TYTQKHPSIE DGPPFVEPLL NFIWFLLLAV DGGKLVFTV LCEQYQPSLR RDPMYNEYLD RIGQLFFGVP PKQTSSYGGL LGNLLTSLMG SSEQEDGEES PSDGSPIELD.		
Formulation	The GET4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

BAT3 complex is a multiprotein complex which takes part in the post-translational delivery of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane. Golgi To ER Traffic Protein 4 (GET4) is a part of the BAT3 complex. The complex functions by helping TA proteins (which contain a single C-terminal transmembrane region) which are captured by ASNA1/TRC40. BAT3 complex synthesizes membrane proteins, interacts with the transmembrane area of recently released TA proteins, and transfers them to ASNA1/TRC40 for targeting.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GET4 Human Recombinant produced in E. coli is a single polypeptide chain containing 350 amino acids (1-327) and having a molecular mass of 38.9kDa. GET4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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