

SH3GLB1, 1-365aa, Human, His tag, E.coli

Cat.NO.: TP03928

3th Edition

Synonyms:Endophilin-B1, Bif-1, CGI-61, dJ612B15.2, PPP1R70

Description:SH3GLB1, also as known as endophilin-B1, belongs to the endophilin family. Endophilin B1 is a member of the B subgroup of the endophilin family that is required for maintenance of mitochondrial morphology and for the regulation of the outer mitochondrial membrane dynamics. This protein required for normal outer mitochondrial membrane dynamics. Also it required for coatomer-mediated retrograde transport in certain cells. SH3GLB1 has been shown to interact with SH3GLB2 and Bcl-2-associated X protein. This protein highly expressed in heart, skeletal muscle, kidney and placenta. Recombinant human SH3GLB1 protein, fused to His-tag at Cterminus, was expressed in E.coli and purified by using conventional chromatography techniques. General references: Pierrat B., et al. (2001) Genomics 71:222-234 Modregger J., et al. (2003) J. Biol. Chem. 278:4160-4167 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. Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 2mM DTT Molecular Weight: 41.9kDa (373aa) confirmed by MALDI-TOF Purity: > 90% by SDS - PAGE Concentration: 1 mg/ml (determined by Bradford assay) 15% SDS-PAGE (3ug) Sequences of

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 2mM DTT

Molecular Weight:41.9kDa (373aa) confirmed by MALDI-TOF

Sequences:

MNIMDFNVKLAADAGTFLSRAVQFTEEKLGQAECTELDAHLENLLSKAECTKIWTEKIMKQTEVLLQPNPNARIEEF
VYEKLDKAPSRINPELLGQYMIDAGTEFGPGTAYGNALIKCGETQKRIGTADRELIQTSALNFLTPLRNFIGDYK
TIAKERKLLQNKRLDLDAAKTRLKKAKAAETRNSSEQELRITQSEFDRQAEITRLLLEGISSTHAHHLRCLNDFVEAQ
MTYYAQCYYMLDLQQLGSFSPNYLSNNNQTSVTPVPSVLPNAIGSSAMASTSGLVITSPSNLSDLKECSGSRKA
RVLYDYDAANSTELSLLADEVITVFSVVGMDSDWLMGERGNQKQKVPITYLELLNLEHHHHHH

Purity:> 95% by HPLC

Concentration:1 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.