Recombinant Human SH3-domain GRB2-like endophilin B2, His-tagged

Cat. No. SH3GLB2-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SH3GLB2, 1-395aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-395 a.a.
Description	Endophilin-B2, also known as SH3GLB2, is a member of the endophilin B subgroup. The endophilins comprise a family of proteins that associate with amphiphysin, synaptojanin and dynamin and are implicated in presynaptic vesicle trafficking at nerve terminals. The expression patterns of the endophilins are consistent with their cellular functions at the neuronal synapse. SH3GLB2 is ubiquitously expressed but shows highest levels in brain, adult lung, ovary, and spinal cord. A decreased level of SH3GLB2 is found in Down syndrome and may reflect brain dysgenesis. Recombinant human SH3GLB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol,1mM DTT
Molecular Mass	46.4 kDa (418aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDFNMKK LASDAGIFFT RAVQFTEEKF

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	GQAEKTELDA HFENLLARAD STKNWTEKIL RQTEVLLQPN PSARVEEFLY EKLDRKVPSR VTNGELLAQY MADAASELGP TTPYGKTLIK VAEAEKQLGA AERDFIHTAS ISFLTPLRNF LEGDWKTISK ERRLLQNRRL DLDACKARLK KAKAAEAKAT TVPDFQETRP RNYILSASAS ALWNDEVDKA EQELRVAQTE FDRQAEVTRL LLEGISSTHV NHLRCLHEFV KSQTTYYAQC YRHMLDLQKQ LGRFPGTFVG TTEPASPPLS STSPTTAAAT MPVVPSVASL APPGEASLCL EEVAPPASGT RKARVLYDYE AADSSELALL ADELITVYSL PGMDPDWLIG ERGNKKGKVP VTYLELLS
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SH3GLB2 SH3-domain GRB2-like endophilin B2 [Homo sapiens]
Official Symbol	SH3GLB2
Synonyms	SH3GLB2; SH3-domain GRB2-like endophilin B2; SH3 domain, GRB2 like, endophilin B2; endophilin-B2; KIAA1848; SH3-containing protein SH3GLB2; SH3 domain-containing GRB2-like protein B2; PP6569; PP9455;
Gene ID	56904
mRNA Refseq	NM_020145
Protein Refseq	NP_064530

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MIM	609288
UniProt ID	Q9NR46
Chromosome Location	9q34
Pathway	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Function	SH3 domain binding; cytoskeletal adaptor activity; protein binding;

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