

SH3GL2, 1-352aa, Human, His tag, E.coli

Cat.NO.: TP03926

3th Edition

Synonyms:Endophilin-A1, CNSA2, EEN-B1, SH3D2A, SH3P4.

Description:SH3GL2 (SH3-domain GRB2-like 2), also known as endophilin-A1, belongs to the endophilin family. It contains a BAR domain and a SH3 domain. Members of the BAR domain protein superfamily are essential elements of cellular traffic. Endophilins are among the best studied BAR domain proteins. They have a prominent function in synaptic vesicle endocytosis (SVE), receptor trafficking and apoptosis, and in other processes that require remodeling of the membrane structure. SH3GL2 a novel tumor suppressor gene in laryngeal squamous cell carcinoma (LSCC), induces apoptosis of tumor cells by regulating intra-cellular signal transduction networks. Recombinant human SH3GL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl

Molecular Weight:42.5 kDa (376aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSVAGLKKQFHKATQKVSEKVGGAEGTKLDDDFKEMERKVDVTSRAVME
IMTKTIEYLQPNPASRAKLSMINTMSKIRGQEKGPGYPQAEALLAEAMLKFGRELGDCCNFGPALGEVGEAMRELS
EVKDSLIEVKQNFIDPLQNLHDKDLREIQHHLKLEGRRLDFDYKKRQGGKIPDEELRQALEKFDESKEIAESSMFN
LLEMDIEQVSQLSALVQAQLEYHKQAVQILQQVTVRLEERIRQASSQPRREYQPKPRMSLEFPTGDSTQPNGGLSH
TGTPKPSGVQMDQPCCRALYDFEPENEGELGFKEGDIITLTNQIDENWYEGMLHGHSGFFPINYVEILVALPH

Purity:> 95% by HPLC

Concentration:1mg/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.