

Recombinant Human SH3GL2, His-tagged

Cat. No. SH3GL2-15846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SH3GL2 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-352aa
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.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl
Molecular Mass	42.5 kDa (376aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSVAGL KKQFHKATQK VSEKVGGAEG TKLDDDFKEM ERKVDVTSRA VMEIMTKTIE YLQPNPASRA KLSMINTMSK IRGQEKGPY PQAEALLAEA MLKFGRELGD DCNFGPALGE VGEAMRELSE

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VKDSLIEVK QNFIDPLQNL HDKDLREIQHHLKKLEGRRL DFDYKKKRQG
KIPDEELRQA LEKFDESKEI AESSMFNLLE MDIEQVSQLS ALVQAQLEYH
KQAVQILQQV TVRLEERIRQ ASSQPRREYQ PKPRMSLEFP TGDSTQPNGG
LSHTGTPKPS GVQMDQPCCR ALYDFEPENE GELGFKEGDI ITLTNQIDEN
WYEGMLHGHSGFFPINYVEI LVALPH

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SH3GL2 SH3-domain GRB2-like 2 [Homo sapiens]

Official Symbol SH3GL2

Synonyms SH3GL2; SH3-domain GRB2-like 2; endophilin-A1; CNSA2; EEN B1; SH3D2A; SH3P4; endophilin-1; SH3 domain protein 2A; Endophilin A1 BAR domain; bA335L15.1 (SH3-domain GRB2-like 2); SH3 domain-containing GRB2-like protein 2; EEN-B1; FLJ20276; FLJ25015;

Gene ID 6456

mRNA Refseq NM_003026

Protein Refseq NP_003017

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MIM	604465
UniProt ID	Q99962
Chromosome Location	9p22
Pathway	Axon guidance, organism-specific biosystem; Clathrin derived vesicle budding, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem;
Function	identical protein binding; lipid binding; protein binding;

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