NKMAXBio we support you, we believe in your research Recombinant human Endophilin A1/SH3GL2 protein Catalog Number: ATGP1506

PRODUCT INFORMATION

Expression system E.coli

Domain 1-352aa

UniProt No. Q99962

NCBI Accession No. NP_003017

Alternative Names Endophilin-A1, CNSA2, EEN-B1, SH3D2A, SH3P4

PRODUCT SPECIFICATION

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

Concentration 1mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

Purity > 90% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Recombinant human SH3GL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

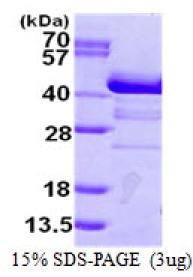
MGSSHHHHHH SSGLVPRGSH MGSHMSVAGL KKQFHKATQK VSEKVGGAEG TKLDDDFKEM ERKVDVTSRA VMEIMTKTIE YLQPNPASRA KLSMINTMSK IRGQEKGPGY PQAEALLAEA MLKFGRELGD DCNFGPALGE VGEAMRELSE VKDSLDIEVK QNFIDPLQNL HDKDLREIQH HLKKLEGRRL DFDYKKKRQG KIPDEELRQA LEKFDESKEI AESSMFNLLE MDIEQVSQLS ALVQAQLEYH KQAVQILQQV TVRLEERIRQ ASSQPRREYQ PKPRMSLEFP TGDSTQPNGG LSHTGTPKPS GVQMDQPCCR ALYDFEPENE GELGFKEGDI ITLTNQIDEN WYEGMLHGHS GFFPINYVEI LVALPH

General References

Shang C, Guo Y, Fu S, Fu W, Sun K. Med Sci Monit. 2010 Jun 16(6):BR168-73.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

