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 > 85% 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 MGSH>MSVAGL 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.