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32-4841: Recombinant Human SH3-domain GRB2-like 2

Alternative Name : Endophilin-A1,EEN-B1,Endophilin-1,SH3 domain protein 2A,SH3 domain-containing,GRB2-like protein 2,SH3GL2,CNSA2,SH3D2A,SH3P4.

Description

Source : Escherichia Coli. SH3GL2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 376 amino acids (1-352 a.a) and having a molecular mass of 42.5kDa.SH3GL2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. SH3-domain GRB2-like 2 (SH3GL2) is a member of the endophilin family. SH3GL2 contains a BAR domain and a SH3 domain. Members of the BAR domain protein superfamily are crucial elements of cellular traffic. Endophilins have a major function in synaptic vesicle endocytosis (SVE), receptor trafficking and apoptosis, and in other processes which require remodeling of the membrane structure. SH3GL2 is a novel tumor suppressor gene in laryngeal squamous cell carcinoma (LSCC), which induces apoptosis of tumor cells by regulating intra-cellular signal transduction networks. SH3GL2 is implicated in synaptic vesicle endocytosis. SH3GL2 is found in the brain, mainly in frontal cortex, and at high level in the fetal cerebellum.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SH3GL2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT and 50mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.