9051 Mira Mesa Blvd, #910094
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SH3GL2 Human

SH3-domain GRB2-like 2 Human Recombinant
RCP2085

Product Overview

Name	SH3GL2 Human
Description	
SH3-domain GRB2-like 2 Human Recombinant	
Accession (Primary)	Q99962
Synonyms	
Endophilin-A1, EEN-B1, Endophilin-1, SH3 domain protein 2A, SH3 domain-containing, GRB2-like protein 2, SH3GL2, CNSA2, SH3D2A, SH3P4.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
SH3GL2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT and 50mM NaCl.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MSVAGL KKQFHKATQK VSEKVGGAEG TKLDDDFKEM ERKVDVTSRA	

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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.

Precautions

SH3GL2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99962)