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Datasheet for ABIN7317481
STXBP3 Protein (GST tag,His tag)

Overview

Quantity:	100 µg
Target:	STXBP3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STXBP3 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human STXBP3/UNC-18C Protein (His & GST Tag)
Sequence:	Met 1-Glu 592
Characteristics:	A DNA sequence encoding the human STXBP3 (O00186-1) (Met 1-Glu 592) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 82 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	STXBP3
Alternative Name:	STXBP3/UNC-18C (STXBP3 Products)
Background:	Background: Syntaxin-binding protein 3, also known as Platelet Sec1 protein, Protein unc-18 homolog 3, Protein unc-18 homolog C, Unc-18C, Unc18-3 and STXBP3, is a cytoplasm protein which belongs to the STXBP/unc-18/SEC1 family. STXBP3 is expressed in cells that exhibit

Target Details

granule exocytosis, such as neutrophils, mast cells, platelets and endothelial cells. STXBP3, together with STX4 and VAMP2, may play a role in insulin-dependent movement of GLUT4 and in docking / fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes. STXBP3 participates in the consolidation and secretion of secondary and tertiary granules. STXBP3 contains one SEC1 domain. Phosphorylation at Ser129 may stimulate granule release. Human STXBP3 shares 90% aa identity with mouse STXBP3. STXBP3 interacts with DOC2B; the interaction is direct, occurs at the cell membrane, excludes interaction with STX4 and regulates glucose-stimulated insulin secretion. Interacts with STX4.

Synonym: MUNC18-3;MUNC18C;PSP;UNC-18C

Molecular Weight: 95.6 kDa

Pathways: [Hormone Transport](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.5, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.