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Datasheet for ABIN1691989

Syntaxin 6 Protein (STX6) (AA 2-234)

Overview

Quantity:	50 µg
Target:	Syntaxin 6 (STX6)
Protein Characteristics:	AA 2-234
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Syntaxin-6/STX6
Sequence:	SMEDPFFVVK GEVQKAVNTA QGLFQRWTEL LQDPSTATRE EIDWTTNELR NNLRSEIWDL EDLDETISIV EANPRKFNLD ATELSIRKAF ITSTRQVVRD MKDQMSTSSV QALAERKNRQ ALLGDSGSQN WSTGTTDKYG RLDRELQRAN SHFIEEQQAQ QQLIVEQQDE QLELVSGSIG VLKNMSQRIG GELEEQAVML EDFSHELEST QSRLDNVMKK LAKVSHMTSD RRQ
Characteristics:	Recombinant Human Syntaxin-6/STX6 is produced with our E. coli expression system. The target protein is expressed with sequence (Ser2-Gln234) of Human STX6.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Syntaxin 6 (STX6)
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Target Details

Alternative Name:	STX6 (STX6 Products)
Background:	<p>Syntaxin-6 (STX6) is a single-pass type IV membrane protein, which belongs to the Syntaxin family. STX6 is mainly localized in the plasma membrane. STX6 contains one t-SNARE coiled-coil homology domain and involved in intracellular vesicle trafficking. When STX6 function is inhibited, internalization through caveolae is dramatically reduced, whereas other endocytic mechanisms are unaffected. It is reported that STX6 is necessary for proper expression of focal adhesion kinase and integrin alpha5 adhesion receptor.</p> <p>Alternative Names: Syntaxin-6, STX6</p>
Molecular Weight:	26.8 kDa
UniProt:	O43752
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months