9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3584: CPLX1 Recombinant Protein

Alternative Name : CPLX-1,CPXI,CPX-I,CPX1,CPX-1,Synaphin2,Synaphin-2,Complexin-1,Complexin I,CPX I,CPLX1.

Description

Source : Escherichia Coli. CPLX1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids (1-134 a.a) and having a molecular mass of 17.1kDa (molecular weight on SDS-PAGE will appear higher).The CPLX1 is purified by proprietary chromatographic techniques. CPLX1 is part of the SNARE family complex binding proteins that are catalysts or inhibitors of vesicle exocytosis. CPLX1 shows reduced Ca2+-triggered fast neurotransmitter release at hippocampal glutamatergic synapses, indicating that CPLX1 is a positive regulator of transmitter release. In contrast, CPLX1 inhibits SNARE-mediated liposome and cell fusions in vitro, that result in hypothesis thus acts as a fusion clamp of synaptic exocytosis. CPLX1 regulates a late step in synaptic vesicle exocytosis. CPLX1 takes part in glucose-induced secretion of insulin by pancreatic beta-cells.

Product Info

Amount :	50 µg
Purification :	Greater than 90% by SDS-PAGE.
Content :	The CPLX1protein solution contains 20mM Tris-HCl pH-8 and 10% glycerol.
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 MEFVMKQALG GATKDMGKML GGDEEKDPDA AKKEEERQEA LRQAEEERKA KYAKMEAERE AVRQGIRDKYGIKKKEEREA EAQAAMEANS EGSLTRPKKA IPPGCGDEVE EEDESILDTV IKYLPGPLQD MLKK.

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