

Datasheet for ABIN7556759
CPLX2 Protein (AA 1-134) (His tag)



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Overview

Quantity:	1 mg
Target:	CPLX2
Protein Characteristics:	AA 1-134
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPLX2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cplx2 Protein expressed in mammalian cells.
Sequence:	MDFVMKQALG GATKDMGKML GGEEKDPDA QKKEEERQEA LRQEEERKA KHARMEAERE KVRQQIRDKY GLKKKEEKEA EEKAALQPC EGSLTRPKKA IPAGCGDEEE EEEESILDTV LKYLPGPLQD MFKK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CPLX2
Alternative Name:	Cplx2 (CPLX2 Products)
Background:	Complexin-2 (921-L) (Complexin II) (CPX II) (Synaphin-1),FUNCTION: Negatively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Positively regulates a late step in exocytosis of various cytoplasmic vesicles, such as synaptic vesicles and other secretory vesicles (PubMed:11163241, PubMed:23345244). Also involved in mast cell exocytosis (PubMed:11163241). Although not essential for development, seems critical for the acquisition of higher cognitive functions in the adult brain (PubMed:12915444). {ECO:0000269 PubMed:11163241, ECO:0000269 PubMed:12915444, ECO:0000269 PubMed:20346398, ECO:0000269 PubMed:23345244}.
Molecular Weight:	15.4 kDa
UniProt:	P84086
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months