Recombinant Human CPLX1, His-tagged

Cat. No. CPLX1-27588TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human CPLX1 protein with His tag; 154 amino acids, 17.1 kDa.
Species	Human
Source	E.coli
Description	Proteins encoded by the complexin/synaphin gene family are cytosolic proteins that function in synaptic vesicle exocytosis.These proteins bind syntaxin, part of the SNAP receptor.The protein product of this gene binds to the SNAP receptor complex and disrupts it, allowing transmitter release.
Conjugation	HIS
Tissue specificity	Nervous system. In hippocampus and cerebellum, expressed mainly by inhibitory neurons. Overexpressed in substantia nigra from patients with Parkinson disease.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl buffer, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEFVMKQALG GATKDMGKML GGDEEKDPDA AKKEEERQEA LRQAEEERKA KYAKMEAERE AVRQGIRDKY GIKKKEEREA EAQAAMEANS EGSLTRPKKA IPPGCGDEVE EEDESILDTV IKYLPGPLQD MLKK
Sequence Similarities	Belongs to the complexin/synaphin family.
Full Length	Full L.

GENE INFORMATION

Gene Name	CPLX1 complexin 1 [Homo sapiens]
Official Symbol	CPLX1
Synonyms	CPLX1; complexin 1; complexin-1; CPX I;
Gene ID	10815
mRNA Refseq	NM_006651
Protein Refseq	NP_006642
MIM	605032
Uniprot ID	O14810
Chromosome Location	4p16.3
Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; GABA

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	synthesis, release, reuptake and degradation, organism-specific biosystem; Glutamate Neurotransmitter Release Cycle, organism-specific biosystem; Neuronal System, organism-specific biosystem;
Function	neurotransmitter transporter activity; syntaxin-1 binding;

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