Recombinant Human CPLX1, His-tagged

Cat. No. CPLX1-27587TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CPLX1 with N terminal His tag; 154 amino acids with a predicted MWt 17.1 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	134 amino acids
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
Molecular Weight	17.100kDa inclusive of tags
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

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Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 10% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMEFVMKQALGGATKDMGKML GGDEEKDPDAAKK EEERQEALRQAEEERKAKYAKMEAERE AVRQGIRDKYGIKKKEEREAEAQAAMEA NSEGSLTRPKKA IPPGCGDEVEEEDESILDTVIKYLPGPLQDMLKK
Sequence Similarities	Belongs to the complexin/synaphin family.

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

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Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; GABA 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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