

Recombinant Human CPLX1, GST-tagged

Cat. No. CPLX1-11519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPLX1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	3-134a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CPLX1 complexin 1 [Homo sapiens]
Official Symbol	CPLX1

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Synonyms	CPLX1; complexin 1; complexin-1; CPX I; synaphin 2; synaphin-2; complexin I; CPX1; 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 synthesis, release, reuptake and degradation, organism-specific biosystem; Glutamate Neurotransmitter Release Cycle, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Norepinephrine Neurotransmitter Release Cycle, organism-specific biosystem;
Function	neurotransmitter transporter activity; syntaxin-1 binding;