

## Recombinant Human CPLX1, GST-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

<b>Gene Name</b>	CPLX1 complexin 1 [ Homo sapiens ]
<b>Official Symbol</b>	CPLX1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	CPLX1; complexin 1; complexin-1; CPX I; synaphin 2; synaphin-2; complexin I; CPX1; CPX-I;
<b>Gene ID</b>	<a href="#">10815</a>
<b>mRNA Refseq</b>	<a href="#">NM_006651</a>
<b>Protein Refseq</b>	<a href="#">NP_006642</a>
<b>MIM</b>	<a href="#">605032</a>
<b>UniProt ID</b>	<a href="#">O14810</a>
<b>Chromosome Location</b>	4p16.3
<b>Pathway</b>	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;
<b>Function</b>	neurotransmitter transporter activity; syntaxin-1 binding;

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