



# Recombinant Human Synapsin-2 (SYN2)

<b>Product Code</b>	CSB-MP842151HU
<b>Abbreviation</b>	SYN2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q92777
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MMNFLRRRLS DSSFIANLPN GYMTDLQRPE PQQAPTPPPP GPGAASASAA PPTASPGPER TPPAASAPAP PPARTPSVGS SLFSSLSQAV KQTAASAGLV DAPGAAPAAA RKAKVLLVVD EPHADWAKCF RGKKVLGDYD IKVEQAEFSE LNLVAHADGT YAVDMQVLRN GTKVVRSFRP DFLIRQHAF GMAENEDFRH LIIGMQYAGL PSINSLESIY NFKDKPWVFA QLVAIYKTLG GEKFPLIEQT YYPNHKEMLT LPTFPVVVKI GHAHSGMGKV KVENHYDFQD IASVVALTQT YATAEPFIDS KYDIRVQKIG NNYKAYMRTS ISGNWKTNTG SAMLEQIAMS DRYKLWVDTG SEMFGGLDIC AVKAVHGKDG KDYIFEVMDG SMPLIGEHSV EDRQLITELV ISKMNQLLSR TPALSPQRPL TTQQPQSGTL KDPDSSKTPP QRPPPQGGPG QPQGMQPPGK VLPPRRLPPG PSLPPSSSSS SSSSSSAPQR PGGPTTHGDA PSSSSSLAEA QPPLAAPPQK PQPHPQLNKS QSLTNAFSFS ESSFFRSSAN EDEAKAETIR SLRKSFASLF SD
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SYN2
<b>Protein Names</b>	Recommended name: Synapsin-2 Alternative name(s): Synapsin II
<b>Expression Region</b>	1-582
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family encodes a neuron-specific phosphoprotein that selectively binds to small synaptic vesicles in the presynaptic nerve terminal. The TIMP4 gene is located within an intron of this gene and is transcribed in the opposite direction. Mutations in this gene may be associated with abnormal



presynaptic function and schizophrenia. Alternative splicing of this gene results in two transcripts.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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