



Recombinant Rat Synapsin-2 (Syn2), partial

Product Code	CSB-EP726914RA1-B
Abbreviation	Syn2
Storage	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.
Uniprot No.	Q63537
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MMNFLRRRLS DSSFIANLPN GYMTDLQRPE PQQPPPAPGP GTATASAATS AASPGPERRP PPAQAPAPQP APQPAPTPSV GSSFFSSLSQ AVKQTAASAG LVDAPAPSAA SRKAKVLLVV DEPHTDWAKC FRGKKILGDY DIKVEQAEFS ELNLVAHADG TYAVDMQVLR NGTKVVRVRSFR PDFVLIRQHA FGMAENEDFR HLVIGMQYAG LPSINSLESI YNFCDKPWVF AQMVAIFKTL GGEKFPLIEQ TYYPNHREML TLPTFPVVVK IGHASHGMGK VKVENHYDFQ DIASVVALTQ TYATAEPFID AKYDIRVQKI GNNYKAYMRT SIGSNWKTNT GSAMLEQIAM SDRYKLWVDA CSEMFGGLDI CAVKAVHGKD GKDYIFEVMD CSMPLIGE HQ VEDRQLITDL VISKMNQLLS RTPALSPQRP LTTQQPQSGT LKEPDSSKTP PQRPAQGGP GQPQGMQPPG KVLPPRRLPS GPSLPPSSSS SSSSSSSSSA PQRPGGPTST QVNASSSSNS LAEPQAPQAA PPQKPQPHPQ LNKSQSLTNA FSFSESSFFR SSANEDEAKA ETIRSLRKSF ASLFSD
Source	E.coli
Target Names	Syn2
Protein Names	Recommended name: Synapsin-2 Alternative name(s): Synapsin II
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	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.

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.

Shelf Life

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.