



Recombinant Human Synapsin-3 (SYN3)

Product Code	CSB-EP023004HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14994
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MNFLRRRLSD SSFMANLPNG YMTDLQRPDS STSSPASPAM ERRHPQPLAA SFSSPGSSLF SSLSSAMKQA PQATSGLMPEP PGPSTPIVQR PRILLVIDDA HTDWSKYFHG KKVNGEIEIR VEQAEFSELN LAAYVTGGCM VDMQVVRNGT KVVSRSFKPD FILVRQHAYS MALGEDYRSL VIGLQYGGLP AVNSLYSVYN FCSKPWFVSQ LIKIFHSLGP EKFLPLEQTF FPNHKPMVTA PHFPVVVKLG HAHAGMGKIK VENQLDFQDI TSVVAMAKTY ATTEAFIDSK YDIRIQKIGS NYKAYMRTSI SGNWKANTGS AMLEQVAMTE RYRLWVDSCS EMFGGLDICA VKAVHSDKDGR DYIIIEVMDSS MPLIGEHVEE DRQLMADLVV SKMSQLPMPG GTAPSPLRPW APQIKSAKSP GQAQLGPQLG QPQPRPPPQG GPRQAQSPQP QRSGSPSQQR LSPQGQQPLS PQSGSPQQQR SPGSPQLSRA SSGSSPNQAS KPGATLASQP RPPVQGRSTS QQGEESKKPA PPHPLNKSQ SLTNSLSTSD TSQRGTPSED EAKAETIRNL RKSFASLFSD
Source	E.coli
Target Names	SYN3
Protein Names	Recommended name: Synapsin-3 Alternative name(s): Synapsin III
Expression Region	1-580
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	Full length protein
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 protein shares the synapsin family domain model, with domains A, C, and E exhibiting the highest degree of conservation. The protein contains a unique domain J, located between domains C and E. Based on this gene's localization to 22q12.3, a possible schizophrenia susceptibility locus, and the established neurobiological roles of the synapsins, this family member may represent a candidate gene for schizophrenia. The TIMP3 gene is located within an intron of this gene and is transcribed in the opposite direction. Alternative splicing of this gene results in multiple splice variants that encode different isoforms.



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.