

Full-Length

SYN2 (Human) Recombinant Protein (P01)

Catalog # H00006854-P01

Size 50 ug

Specification

Product Description	Human SYN2 full-length ORF (BAG52870.1, 1 a.a. - 514 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMNFLRRRLSDSSFFSSLSQAVKQTAASAGLVDAPAPAPAAARKAKVLLVVDEPHADWAKCFR GKKVLGDYDIKVEQAEFSELNLVAHADGTYAMDMQVLRNGTKVVRSFRPDFVLIRQHAFGMAEN EDFRHLIGMQYAGLPSINSLESYDFCDKPWVFAQLVAIKTLGGEKFPLIEQTYYPNHKEMLTLPTF PVVVKIGHAHS GMGKVKVENHYDFQDIASVVALTQTYATAEPFIDSKYDIRVQKIGNNYKAYMRTSI SGNWKTNTGSAMLEQIAMSDRYKLWVDTCTSEMFGGLDCAVKAVHGKDGKDYFEVMDCSMPLI GEHQVEDRQLITELVISKMNQLLSRTPALSPQRPLTTQQPQSGTLKDPDSSKTPPQRPPPQGGPG QPQGMQPPGKVLPPRRLPPGPSLPPSSSSSSSSSSSAPQRPGGPTTHGDAPSSSSSLAEALPP LAAPPQKPQPHPQLNKSQSLTNAFSFSESSFFRSSANEDEAKAETIRSLRKS FASLFSD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	82.7
Interspecies Antigen Sequence	Mouse (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — SYN2

Entrez GeneID [6854](#)

GeneBank Accession# [AK094464.1](#)

Protein Accession# [BAG52870.1](#)

Gene Name SYN2

Gene Alias SYNII, SYNIIa, SYNIIb

Gene Description synapsin II

Omim ID [181500 600755](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations -

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)