

## Recombinant human Synapsin-1

Catalog No: #AP72802

Package Size: #AP72802-1 20ug #AP72802-2 100ug #AP72802-3 1mg

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant human Synapsin-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:113-420aaSequence Info:Partial
Other Names	Brain protein 4.1Synapsin I
Accession No.	P17600
Uniprot	P17600
GeneID	6853;
Calculated MW	36.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SRVLLVIDEPHTDWAKYFKGKKIHGEIDIKVEQAEFSDLNLVAHANGGFSVDMEVLRNGVKVVRSLKPDFVLIR QHAFSMARNGDYRSLVIGLQYAGIPSVNSLHVSYNFCDKPWVFAQMVRLHKKLGTEEFPLIDQTFYPNHKEML SSTTYPVVVKMGHAHSGMGKVKVDNQHDFQDIASVVALTKTYATAEPFIDAKYDVRVQKIGQNYKAYMRTSV SGNWKTNTGSAMLEQIAMSDRYKLWVDTCSEIFGGLDICAVEALHGKDGRDHIIIEVVGSSMPLIGDHQDEDKQ LIVELVVKMAQALPR
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.

## References

The structure of the human synapsin I gene and protein.Suedhof T.C.J. Biol. Chem. 265:7849-7852(1990)Research Topic:Neuroscience

Note: This product is for in vitro research use only