

Product Datasheet

Recombinant Human Synaptophysin GST (N-Term) Protein H00006855-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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H00006855-P01-10ug**Recombinant Human Synaptophysin GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	60.17 kDa

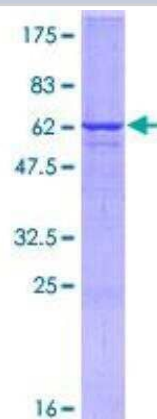
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-313 of Human SYP</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MLLLADMDVVNQLVAGGQFRVVKEPLGFVKVLQWVFAIFAFATCGSYSGELQL NVDCANKTESDLSIEVEFEYPFRLHQVYFDAPTCRGGTTKVFLVGDYSSSAEFF VTAVVFAFLYSMGALATYIFLQNKYRENNKGPMFLDVLATAVFVAFMWLVSSSAW AKGLSDVKMATDPENIIKEMPVCRQTGNTCKELRDLVTSGLNLSVVFGLNLVL WVGNLWFVFKETGWAAPFLRAPPGAPEKQPAPGDAYGDAGYGQGGPGGYGP QDSYGPQGGYQPDYGGPAGSGSGSYGPQGDYGGQGYGPQGAPTSFSNQM</p>
Gene ID	6855
Gene Symbol	SYP
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification, Block/Neutralize
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification, Block/Neutralize
Application Notes	Use in blocking / neutralizing and IHC reported in scientific literature (PMID 24786752). Use in ELISA reported in scientific literature (PMID 23371365).



Images

SDS-Page: Recombinant Human Synaptophysin Protein [H00006855-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Perez-Rando M, Guirado R, Tellez-Merlo G et al. Estradiol Regulates PSA-NCAM Expression and Connectivity of O-LM Interneurons in The Hippocampus of Adult Female Mice Neuroendocrinology 2021-02-05 [PMID: 33550289]

Rakic S, Hung YMA, Smith M et al. Systemic infection modifies the neuroinflammatory response in late stage Alzheimer's disease. Acta Neuropathol Commun 2018-09-07 [PMID: 30193587]

Guirado R, Carceller H, Castillo-Gomez E et al. Automated analysis of images for molecular quantification in immunohistochemistry. Heliyon. 2018-06-01 [PMID: 30003163] (Mouse)

Andreyeva A, Leshchyns'ka I, Knepper M et al. CHL1 Is a Selective Organizer of the Presynaptic Machinery Chaperoning the SNARE Complex. PLoS One. 2010-08-11 [PMID: 20711454]

Caviness JN, Lue LF, Beach TG et al. Parkinson's disease, cortical dysfunction, and alpha-synuclein. Mov Disord. 2011-05-03 [PMID: 21542019]

Guirado R, Perez-Rando M, Sanchez-Matarredona D et al. Chronic fluoxetine treatment alters the structure, connectivity and plasticity of cortical interneurons. Int. J. Neuropsychopharmacol. 2014-04-30 [PMID: 24786752] (IHC, Mouse)

Shinohara M, Petersen RC, Dickson DW, Bu G. Brain regional correlation of amyloid-beta with synapses and apolipoprotein E in non-demented individuals: potential mechanisms underlying regional vulnerability to amyloid-beta accumulation. Acta Neuropathol 2013-01-31 [PMID: 23371365] (ELISA)





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Products Related to H00006855-P01-10ug

NBP2-25170PEP	Synaptophysin Antibody Blocking Peptide
NB300-213	MAP2 Antibody
NB300-653SS	Synaptophysin Antibody
NB300-141	GFAP Antibody

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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