

Datasheet for ABIN7558522  
**SV2B Protein (AA 1-683) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SV2B
Protein Characteristics:	AA 1-683
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SV2B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Sv2b Protein expressed in mammalian cells.
Sequence:	MDDYRYRDNY EGYAPSDGYY RSNEQNQEED AQSDVTEGHD EEDEIYEGEY QGIPHPDDVK SKQTKMAPSR ADGLGGQADL MAERMEDEEE LAHQYETIID ECGHGRFQWT LFFVLGLALM ADGVEIFVVS FALPSAEKDM CLSSSKKGML GLIVYLGMMMA GAFILGGLAD KLGRKKVLSM SLAINASFAS LSSFVQGYGA FLFCRLISGI GIGGSLPIVF AYFSEFLSRE KRGEHLSWLG IFWMTGGIYA SAMAWSIIPH YGWGFSMGTN YHFHSWRV FV IVCALPATVS MVALKFMPES PRFLLEMKGH DEAWMILKQV HDTNMRAKGT PEKVFTVSHI KTPKQMDDEFI EIQSSTGTWY QRWLVRFMTI FKQVWDNALY CVMGPYRMNT LILAVVWFTM ALSYYGLTVW FPD MIRYFQD EEYKSKMKVF FGEHVHGATI NFTMENQIHQ HGKLVNDKFI KMYFKHVLFE DTFDFDKCYFE DVTSTDYFYK NCTIESTTFY NTDLYKHKFI NCRFINSTFL EQKEGCHMDF EEDNDFLIYL VSFLGSLSVL PGNII SALLM DRIGRLKMIG GSMLISAVCC FFLFFGNSES AMIGWQCLFC GTSIAAWNAL DVITVELYPT NQRATAFGIL NGLCKFGAIL GNTIFASFVG ITKVVPILLA AASLVGGGLI ALRLPETREQ VLM <b>Sequence without tag. The proposed Purification-Tag is</b>

## Product Details

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**based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** SV2B

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**Alternative Name:** Sv2b ([SV2B Products](#))

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**Background:** Synaptic vesicle glycoprotein 2B (Synaptic vesicle protein 2B),FUNCTION: Probably plays a role in the control of regulated secretion in neural and endocrine cells.  
{ECO:0000305|PubMed:10624962}, FUNCTION: (Microbial infection) Receptor for C.botulinum neurotoxin type A (BoNT/A, botA), the toxin probably binds via extracellular loop 4 (PubMed:16543415). {ECO:0000269|PubMed:16543415}, FUNCTION: (Microbial infection) Possible receptor for C.botulinum neurotoxin type D (BoNT/D, botD) (PubMed:21483489). Not a receptor for C.botulinum neurotoxin type D (BoNT/D, botD) (PubMed:21632541).  
{ECO:0000269|PubMed:21632541}, FUNCTION: (Microbial infection) Receptor for C.botulinum neurotoxin type E (BoNT/E), the toxin probably binds via extracellular loop 4

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## Target Details

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(PubMed:18815274). It probably requires glycosylation of Asn-516 (PubMed:18815274).  
{ECO:0000269|PubMed:18815274, ECO:0000305|PubMed:18815274}.

Molecular Weight: 77.5 kDa

UniProt: [Q8BG39](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months