

Datasheet for ABIN7544053  
**SV2B Protein (AA 1-683) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SV2B
Protein Characteristics:	AA 1-683
Origin:	Human
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:	MDDYKYQDNY GGYAPSDGYY RGNESNPEED AQSDVTEGHD EEDEIYEGEY QGIPHPDDVK AKQAKMAPSR MDSLGRQTDL MAERLEDEEQ LAHQYETIMD ECGHGRFQWI LFFVLGLALM ADGVEVFFVS FALPSAEKDM CLSSSKKGML GMIVYLGMMMA GAFILGGLAD KLGRKRVLMS SLAVNASFAS LSSFVQGYGA FLFCRLISGI GIGGALPIVF AYFSEFLSRE KRGEHLSWLG IFWMTGGLYA SAMAWSIIPH YGWGFSMGTN YHFHSWRV FV IVCALPCTVS MVALKFMPES PRFLLEMKGH DEAWMILKQV HDTNMRAKGT PEKVFTVSN I KTPKQ MDEFI EIQSSTGTWY QRWLVRFKTI FKQVWDNALY CVMGPYRMNT LILAVVWFAM AFSYYGLTVW FPD MIRYFQD EEYKSKMKVF FGEHVY GATI NFTMENQIHQ HGKLVNDKFT RMYFKHVLFE DTFDFDECYFE DVTSTDYFYK NCTIESTIFY NTDLYEHKFI NCRFINSTFL EQKEGCHMDL EQDNDFLIYL 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,FUNCTION: Probably plays a role in the control of regulated secretion in neural and endocrine cells. {ECO:0000250}, FUNCTION: (Microbial infection) Receptor for the C.botulinum neurotoxin type A2 (BoNT/A, botA), glycosylation is not essential but enhances the interaction (PubMed:29649119). Probably also serves as a receptor for the closely related C.botulinum neurotoxin type A1. {ECO:0000269|PubMed:29649119, ECO:0000305|PubMed:29649119}.

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Molecular Weight: 77.4 kDa

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UniProt: [Q7L112](#)

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## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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