SV2A Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	SV2A, Blocking Peptide
Full Product Name	SV2A Blocking Peptide
Product Gene Name	SV2A blocking peptide
Product Synonym Gene Name	KIAA0736, PSEC0174
Product Synonym Names	KIAA0736; OTTHUMP00000014065; SV2; Sv2a; SV2A_HUMAN; Synaptic vesicle glycoprotein 2; Synaptic vesicle glycoprotein 2A; Synaptic vesicle protein 2a
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	SV2A peptide (MBS9622080) is used for blocking the activity of SV2A antibody (MBS9612136)
Molecular Weight	76,619 Da
OMIM	185860
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SV2A blocking peptide	Blocking/Control
Related Product Information for SV2A blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of SV2A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SV2A purchase	MBS9622080 is a blocking peptide targeting SV2A.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SV2A. It may not necessarily be applicable to this product.

NCBI GI #	216548223
NCBI GeneID	9900
NCBI Accession #	NP_055664.3
UniProt Primary Accession #	Q7L0J3
UniProt Secondary Accession #	O94841; Q5QNX8; Q7Z3L6; Q8NBJ6; Q9BVZ9; D3DUZ7

UniProt Related Accession #	Q7L0J3
GenBank Nucleotide #	NP_055664.3
NCBI Official Full Name	synaptic vesicle glycoprotein 2A isoform 1
NCBI Official Synonym Full Names	synaptic vesicle glycoprotein 2A
NCBI Official Symbol	SV2A
NCBI Official Synonym Symbols	SV2
UniProt Protein Name	Synaptic vesicle glycoprotein 2A
Protein Family	Synaptic vesicle glycoprotein
UniProt Gene Name	SV2A
UniProt Synonym Gene Names	KIAA0736
UniProt Entry Name	SV2A_HUMAN
NCBI Protein Information	synaptic vesicle glycoprotein 2A
Research Articles on SV2A	**1.** the way LEV analogues may interact with SV2A
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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