Neuropathy Target Esterase Sws (sws) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Neuropathy target esterase sws (sws), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Neuropathy target esterase sws (sws), partial
Product Gene Name	sws recombinant protein
Product Synonym Gene Name	sws
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	160,671 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9U969
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sws recombinant protein	MBS1471640 is a recombinant protein targeting sws. Also known as Recombinant Drosophila melanogaster Neuropathy target esterase sws (sws), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sws recombinant protein 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.

ADDITIONAL DETAILS

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

NCBI GI #	28571388
NCBI GeneID	31716
NCBI Accession #	NP_511075.3
UniProt Primary Accession #	Q9U969
UniProt Secondary Accession #	Q8IRN7; Q95RE9; Q9W3M0; A8E6M7
UniProt Related Accession #	Q9U969
GenBank Nucleotide #	NM_078520.3
NCBI Official Full Name	swiss cheese, isoform A
NCBI Official Synonym Full Names	swiss cheese

NCBI Official Symbol	sws
NCBI Official Synonym Symbols	CG2212; DmelCG2212; olfE; PNPLA6; Sws; SWS
UniProt Protein Name	Neuropathy target esterase sws
UniProt Synonym Protein Names	Swiss cheese (EC:3.1.1.5); DSWS
Protein Family	Neuropathy target esterase
UniProt Gene Name	sws
UniProt Synonym Gene Names	DSWS
NCBI Protein Information	CG2212 gene product from transcript CG2212-RC
UniProt Comments for sws	Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Its specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy. Plays a role in the signaling mechanism between neurons and glia that regulates glia wrapping during development of the adult brain. Essential for membrane lipid homeostasis and cell survival in both neurons and glia of the adult brain.
Research Articles on sws	**1.** the loss of SWS in glia impairs neuronal function.
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