SNTG2 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	SNTG2, Lysate
Full Product Name	Human SNTG2 Protein Lysate
Product Gene Name	SNTG2 lysate
Product Synonym Names	SNTG2; G2SYN; SYN5
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	59kDa
OMIM	608715
3D Structure	ModBase 3D Structure for Q9NY99
Related Product Information for SNTG2 lysate	Human SNTG2 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of SNTG2 lysate 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 SNTG2 purchase	MBS8419945 is a lysate targeting SNTG2. Also known as Human SNTG2 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNTG2. It may not necessarily be applicable to this product.

NCBI GI #	259155293
NCBI GeneID	54221
NCBI Accession #	NP_061841
UniProt Primary Accession #	Q9NY99
UniProt Related Accession #	Q9NY99
GenBank Nucleotide #	NM_018968
NCBI Official Full Name	gamma-2-syntrophin
NCBI Official Synonym Full Names	syntrophin gamma 2
NCBI Official Symbol	SNTG2
NCBI Official Synonym Symbols	SYN5; G2SYN
UniProt Protein Name	Gamma-2-syntrophin
UniProt Synonym Protein Names	Syntrophin-5
Protein Family	Gamma-2-syntrophin

UniProt Gene Name	SNTG2
UniProt Synonym Gene Names	G2SYN; SYN5
UniProt Entry Name	SNTG2_HUMAN
NCBI Protein Information	gamma-2-syntrophin
NCBI Summary for SNTG2	This gene encodes a protein belonging to the syntrophin family. Syntrophins are cytoplasmic peripheral membrane proteins that bind to components of mechanosenstive sodium channels and the extreme carboxy-terminal domain of dystrophin and dystrophin-related proteins. The PDZ domain of this protein product interacts with a protein component of a mechanosensitive sodium channel that affects channel gating. Absence or reduction of this protein product has been associated with Duchenne muscular dystrophy. There is evidence of alternative splicing yet the full-length nature of these variants has not been described. [provided by RefSeq, Jul 2008]
UniProt Comments for SNTG2	SNTG2: Adapter protein that binds to and probably organizes the subcellular localization of a variety of proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex. Belongs to the syntrophin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 2p25.3 Cellular Component: cytoskeleton; cytoplasm; syntrophin complex; sarcolemma Molecular Function: actin binding; PDZ domain binding Biological Process: central nervous system development
Research Articles on SNTG2	**1.** MYT1L and the SNTG2 genes within the reported region could probably relate to the phenotypic discordance of the monozygotic twins.
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