SYT12 cDNA Clone – Synaptotagmin XII (Human)

PRODUCT OVERVIEW

Product Name	SYT12, cDNA Clone
Full Product Name	SYT12 cDNA Clone
Product Gene Name	SYT12 cdna clone
Sequence	atggctgtgg atgtggcaga ataccatctg agcgtcatca agagcccccc tggctgggag gtgggtgtct atgctgcagg ggccctggcc ctgctgggaa tcgcagctgt gagcctgtgg aagctctgga cgtcggggag cttccccagc ccctctccgt tccccaatta cgactacagg taccttcagc agaagtacgg cgagagctgc gcagaggcca gggagaagag agtgcctgcc tggaatgccc agcgggccag cacgcgggga ccacccagcc gcaaaggcag tctcagcatt gaggacacct ttgagagcat cagtgaactg gggcctctgg agctgatggg ccgggagttg gacctggccc cctatgggac cctccggaag tcccagtcgg ccgactccct gaactccatc tcctccgtga gcaacacctt tgggcaggac ttcacactgg gccaggtgga ggtgagcatg gagtacgaca ctgcctccca cacgctgaac gtggcggtga tgcagggcaa ggacctcctg gagcgggagg aggccagctt cgagtcctgc ttcatgcgcg tcagcctgct gccggacgag cagatcgtgg gcatttctcg gatccagaga aatgcctact ccatcttctt tgatgagaag ttctccatcc ccctggatcc cacagccctg gaggagaaga gcctgcggtt ttctgtattt ggcatcgatg aggatgagcg caacgtcagc acgggggtgg tggagctgaa gctttctgtg cttgacctcc cgctgcagcc cttcagtggc tggctctatt tacaggacca gaacaaggcc gccgatgctg tgggggagat cctgctctcc ctcagctacc tccccacagc cgagcgcctc accgtggtcg tggttaaggc caagaacctc atctggacca acgacaagac cacagcggac cccttcgtca aggtgtacct gctgcaggat gggaggaaga tgagcaaaaa gaagacagcc gtgaagaggg atgaccccaa cccggtgttc aacgaagcca tgatcttctc ggtgccagcc attgtgctcc aggacctgtc tctccgcgtg acggtggctg agagcagcag cgacggccgt ggggacaacg tgggccatgt catcattggg ccgtcagcca gtggcatggg aaccacacat tggaaccaga tgttggccac gctgcgcagg cccgtgtcca tgtggcacgc tgtccggcga aactag
Molecular Weight	46,537 Da
OMIM	606436
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SYT12 cdna clone	MBS1278961 is a cDNA clone targeting SYT12.
Other Notes	Small volumes of SYT12 cdna clone 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 SYT12. It may not necessarily be applicable to this product.

NCBI GI #	22766912
NCBI GeneID	91683
NCBI Accession #	BC037406
NCBI Official Full Name	Homo sapiens synaptotagmin XII, mRNA
UniProt Protein Name	Synaptotagmin-12
UniProt Synonym Protein Names	Synaptotagmin XII; SytXII
Protein Family	Synaptotagmin
UniProt Gene Name	SYT12
UniProt Synonym Gene Names	SytXII

UniProt Entry Name	SYT12_HUMAN
UniProt Comments for SYT12	SYT12: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Belongs to the synaptotagmin family. Protein type: Membrane protein, integral; Vesicle Chromosomal Location of Human Ortholog: 11q13.2 Cellular Component: plasma membrane; synaptic vesicle membrane Molecular Function: calcium ion binding; calcium-dependent phospholipid binding; clathrin binding; syntaxin binding Biological Process: calcium ion-dependent exocytosis of neurotransmitter; regulation of calcium ion-dependent exocytosis; synaptic vesicle endocytosis; vesicle fusion
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/syt12/1278961