STMN3 cDNA Clone – Stathmin-Like 3 (Human)

PRODUCT OVERVIEW

Product Name	STMN3, cDNA Clone
Full Product Name	STMN3 cDNA Clone
Product Gene Name	STMN3 cdna clone
Sequence	atggccagca ccatttccgc ctacaaggag aagatgaagg agctgtcggt gctgtcgctc atctgctcct gcttctacac acagccgcac cccaataccg tctaccagta cggggacatg gaggtgaagc agctggacaa gcgggcctca ggccagagct tcgaggtcat cctcaagtcc ccttctgacc tgtccccaga gagccctatg ctctcctccc cacccaagaa gaaggacacc tccctggagg agctgcaaaa gcggctggag gcagccgagg agcggaggaa gacgcaggag gcgcaggtgc tgaagcagct ggcggagcgg cgcgagcacg agcgcgaggt gctgcacaag gcgctggagg agaataacaa cttcagccgc caggcggagg agaagctcaa ctacaagatg gagctcagca aggagatccg cgaggcacac ctggccgcac tgcgcgagcg gctgcgcgag aaggagctgc acgcggccga ggtgcgcagg aacaaggagc agcgagaaga gatgtcgggc taa
Molecular Weight	19,806 Da
OMIM	608362
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 STMN3 cdna clone	MBS1275750 is a cDNA clone targeting STMN3.
Other Notes	Small volumes of STMN3 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 STMN3. It may not necessarily be applicable to this product.

NCBI GI #	33991385
NCBI GeneID	50861
NCBI Accession #	BC009381
UniProt Secondary Accession #	O75527; Q969Y4; B3KSQ5; B7WP52; B7Z5G4
UniProt Related Accession #	Q9NZ72
NCBI Official Full Name	Homo sapiens stathmin-like 3, mRNA
NCBI Official Synonym Full Names	stathmin 3
NCBI Official Symbol	STMN3
NCBI Official Synonym Symbols	SCLIP
UniProt Protein Name	Stathmin-3
UniProt Synonym Protein Names	SCG10-like protein
Protein Family	Stathmin
UniProt Gene Name	STMN3

UniProt Synonym Gene Names	SCLIP
UniProt Entry Name	STMN3_HUMAN
NCBI Protein Information	stathmin-3
NCBI Summary for STMN3	This gene encodes a protein which is a member of the stathmin protein family. Members of this protein family form a complex with tubulins at a ratio of 2 tubulins for each stathmin protein. Microtubules require the ordered assembly of alpha- and beta-tubulins, and formation of a complex with stathmin disrupts microtubule formation and function. A pseudogene of this gene is located on chromosome 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
UniProt Comments for STMN3	STMN3: Exhibits microtubule-destabilizing activity, which is antagonized by STAT3. Belongs to the stathmin family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 20q13.3 Cellular Component: cytoplasm; neuron projection Molecular Function: protein domain specific binding; tubulin binding Biological Process: cytoplasmic microtubule organization and biogenesis; microtubule depolymerization; negative regulation of Rac protein signal transduction; nervous system development; neurite development; regulation of cytoskeleton organization and biogenesis; regulation of GTPase activity
Research Articles on STMN3	**1.** our findings demonstrate that SCLIP plays an important role in glioma pathology, and may represent a novel therapeutic strategy against human glioma.
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