SLIT1 cDNA Clone – Slit Homolog 1 (Drosophila) (Human)

PRODUCT OVERVIEW

Product Name	SLIT1, cDNA Clone
Full Product Name	SLIT1 cDNA Clone
Product Gene Name	SLIT1 cdna clone
Sequence	ATGGCGCTGA CTCCCGGGTG GGGGTCCTCG GCGGGGCCGG TCCGGCCGGA GCTCTGGCTG CTGCTGTGGG CAGCCGCGTG GCGCCTGGGT GCCTCGGCGT GCCCCGCCCT CTGCACCTGC ACCGGAACCA CGGTGGACTG CCACGGCACG GGGCTGCAGG CCATTCCCAA GAATATACCT CGGAACACCG AGCGCCTGTG A
Molecular Weight	90,633 Da
OMIM	603742
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SLIT1 cdna clone	MBS1265626 is a cDNA clone targeting SLIT1.
Other Notes	Small volumes of SLIT1 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 SLIT1. It may not necessarily be applicable to this product.

NCBI GI #	146187005
NCBI GeneID	6585
NCBI Accession #	BC139909
UniProt Secondary Accession #	Q5T0V1; Q8WWZ2; Q9UIL7
UniProt Related Accession #	O75093
NCBI Official Full Name	Homo sapiens slit homolog 1 (Drosophila), mRNA
NCBI Official Synonym Full Names	slit guidance ligand 1
NCBI Official Symbol	SLIT1
NCBI Official Synonym Symbols	MEGF4; SLIL1; SLIT3; SLIT-1
UniProt Protein Name	Slit homolog 1 protein
UniProt Synonym Protein Names	Multiple epidermal growth factor-like domains protein 4; Multiple EGF-like domains protein 4
Protein Family	Slit homolog 1 protein
UniProt Gene Name	SLIT1
UniProt Synonym Gene Names	KIAA0813; MEGF4; SLIL1; Slit-1; Multiple EGF-like domains protein 4
UniProt Entry Name	SLIT1_HUMAN

NCBI Protein Information	slit homolog 1 protein
UniProt Comments for SLIT1	SLIT1: Thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions. SLIT1 and SLIT2 together seem to be essential for midline guidance in the forebrain by acting as repulsive signal preventing inappropriate midline crossing by axons projecting from the olfactory bulb. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 10q23.3-q24 Cellular Component: extracellular space; proteinaceous extracellular matrix Molecular Function: heparin binding; Roundabout binding Biological Process: axon extension involved in axon guidance; axon guidance; chemorepulsion involved in embryonic olfactory bulb interneuron migration; motor axon guidance; negative chemotaxis; negative regulation of synaptogenesis; regulation of axonogenesis
Research Articles on SLIT1	**1.** Observational study of gene-disease association. (HuGE Navigator)
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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