CDC42SE2 cDNA Clone – CDC42 Small Effector 2 (Human)

PRODUCT OVERVIEW

Product Name	CDC42SE2, cDNA Clone
Full Product Name	CDC42SE2 cDNA Clone
Product Gene Name	CDC42SE2 cdna clone
Sequence	ATGAGTGAAT TCTGGTTGTG TTTCAACTGC TGTATTGCAG AACAGCCTCA GCCTAAAAGG CGACGGCGGA TTGACAGAAG TATGATTGGA GAGCCCACAA ACTTTGTGCA TACAGCTCAT GTTGGATCAG GAGACCTGTT CAGTGGAATG AATTCAGTTA GCTCCATTCA GAACCAAATG CAGTCCAAGG GAGGTTATGG AGGTGGAATG CCTGCCAATG TCCAGATGCA GCTCGTGGAT ACGAAGGCGG GATAG
Molecular Weight	9,223 Da
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 CDC42SE2 cdna clone	MBS1265826 is a cDNA clone targeting CDC42SE2.
Other Notes	Small volumes of CDC42SE2 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 CDC42SE2. It may not necessarily be applicable to this product.

NCBI GI #	68532497
NCBI GeneID	56990
NCBI Accession #	BC096703
UniProt Secondary Accession #	Q4KMT9; B2R622
UniProt Related Accession #	Q9NRR3
NCBI Official Full Name	Homo sapiens CDC42 small effector 2, mRNA
NCBI Official Synonym Full Names	CDC42 small effector 2
NCBI Official Symbol	CDC42SE2
NCBI Official Synonym Symbols	SPEC2
UniProt Protein Name	CDC42 small effector protein 2
UniProt Synonym Protein Names	Small effector of CDC42 protein 2
Protein Family	CDC42 small effector protein
UniProt Gene Name	CDC42SE2
UniProt Synonym Gene Names	SPEC2
UniProt Entry Name	C42S2_HUMAN

NCBI Protein Information	CDC42 small effector protein 2
UniProt Comments for CDC42SE2	CDC42SE2: Probably involved in the organization of the actin cytoskeleton by acting downstream of CDC42, inducing actin filament assembly. Alters CDC42-induced cell shape changes. In activated T-cells, may play a role in CDC42-mediated F-actin accumulation at the immunological synapse. May play a role in early contractile events in phagocytosis in macrophages. Belongs to the CDC42SE/SPEC family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 5q31.1 Cellular Component: plasma membrane Molecular Function: protein binding; structural molecule activity Biological Process: regulation of signal transduction
Research Articles on CDC42SE2	**1.** Cdc42 is an important regulator of corneal epithelial wound repair. To promote healing, Cdc42 may interact with receptor tyrosine kinase-activated signaling cascades that participate in cell migration and cell-cycle progression.
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