SH2D4A Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	SH2D4A, Blocking Peptide
Full Product Name	SH2D4A Blocking Peptide
Product Gene Name	SH2D4A blocking peptide
Product Synonym Names	PPP1R38; SH2A; SH2 domain-containing protein 4A; Protein SH(2)A; Protein phosphatase 1 regulatory subunit 38
Host	Synthetic
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	SH2D4A peptide (MBS8209735) is used for blocking the activity of SH2D4A antibody (MBS8205121)
Molecular Weight	46,978 Da
OMIM	614968
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Applications Tested/Suitable for SH2D4A blocking peptide	Blocking (BL)
Related Product Information for SH2D4A blocking peptide	MBS8209735 is a blocking peptide targeting SH2D4A. Reactive in Human, Mouse, Rat. Host: Synthetic. The peptide is used to block Anti-SH2D4A Antibody reactivity.
Other Notes	Small volumes of SH2D4A blocking peptide 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 SH2D4A. It may not necessarily be applicable to this product.

NCBI GI #	292658783
NCBI GeneID	63898
NCBI Accession #	NP_001167630.1
UniProt Primary Accession #	Q9H788
UniProt Secondary Accession #	Q5XKC1; Q6NXE9; Q86YM2; Q96C88; Q9H7F7; B4DDR1
UniProt Related Accession #	Q9H788
GenBank Nucleotide #	NM_001174159.1
NCBI Official Full Name	SH2 domain-containing protein 4A isoform a
NCBI Official Synonym Full Names	SH2 domain containing 4A

NCBI Official Symbol	SH2D4A
NCBI Official Synonym Symbols	SH2A; PPP1R38
UniProt Protein Name	SH2 domain-containing protein 4A
UniProt Synonym Protein Names	Protein SH(2)A; Protein phosphatase 1 regulatory subunit 38
Protein Family	SH2 domain-containing protein
UniProt Gene Name	SH2D4A
UniProt Synonym Gene Names	PPP1R38; SH2A
UniProt Entry Name	SH24A_HUMAN
NCBI Protein Information	SH2 domain-containing protein 4A
UniProt Comments for SH2D4A	SH2D4A: Inhibits estrogen-induced cell proliferation by competing with PLCG for binding to ESR1, blocking the effect of estrogen on PLCG and repressing estrogen-induced proliferation. May play a role in T-cell development and function. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 8p21.2 Cellular Component: cytoplasm Molecular Function: protein binding; phosphatase binding
Research Articles on SH2D4A	**1.** New evidence for SH2D4A involvement in hepatocellular carcinoma pathogenesis demonstrating for the first time its deregulation in cirrhotic nodules.
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