Caspase-13 Blocking Peptide

PRODUCT OVERVIEW

Product Name	Caspase-13 (CASP4), Blocking Peptide
Full Product Name	Caspase-13 Peptide
Product Gene Name	CASP4 blocking peptide
Product Synonym Names	CASP13; Caspase-13; Evolutionary related interleukin-1-beta-converting enzyme; CASP-13; caspase 4, apoptosis-related cysteine peptidase
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store Caspase-13 peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	Caspase-13 peptide (MBS152589) is used for blocking the activity of Caspase-13 antibody (MBS151066)
Molecular Weight	36,924 Da
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	15 amino acids of human Caspase-13.
Applications Tested/Suitable for CASP4 blocking peptide	Blocking (BL)
Application Notes for CASP4 blocking peptide	Caspase-13 peptide is used for blocking the activity of caspase-13 antibody.
Related Product Information for CASP4 blocking peptide	MBS152589 is a blocking peptide targeting CASP4. Also known as Caspase-13 Peptide.
Other Notes	Small volumes of CASP4 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 CASP4. It may not necessarily be applicable to this product.

NCBI GI #	10720034
NCBI GeneID	338039
NCBI Accession #	O75601.1
UniProt Primary Accession #	O75601
UniProt Related Accession #	O75601; Q5E9C1
NCBI Official Full Name	Caspase-13
NCBI Official Synonym Full Names	caspase 4, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP4
NCBI Official Synonym Symbols	CASP13

UniProt Protein Name	Caspase-13
UniProt Synonym Protein Names	Evolutionary related interleukin-1-beta-converting enzyme; ERICE
Protein Family	Caspase
UniProt Gene Name	CASP13
UniProt Synonym Gene Names	CASP-13; ERICE
UniProt Entry Name	CASPD_BOVIN
NCBI Protein Information	caspase-4; ERICE; CASP-4; CASP-13; caspase 13; caspase-13; caspase 4, apoptosis-related cysteine protease; evolutionary related interleukin-1-beta-converting enzyme
UniProt Comments for CASP4	CASP4: Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves caspase-1. Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a small and a large subunit. Widely expressed, with highest levels in spleen and lung. Moderate expression in heart and liver, low expression in skeletal muscle, kidney and testis. Not found in the brain. Belongs to the peptidase C14A family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; EC 3.4.22.64; Protease Cellular Component: endoplasmic reticulum membrane; mitochondrion; cytoplasm Molecular Function: cysteine-type endopeptidase activity Biological Process: regulation of apoptosis; apoptosis; regulation of inflammatory response; germ cell programmed cell death; positive regulation of interleukin-1 beta secretion; proteolysis
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