Datasheet for ABIN7505388

Caspase 8 Protein (CASP8) (AA 219-376) (His tag)

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Overview

Quantity:	100 µg
Target:	Caspase 8 (CASP8)
Protein Characteristics:	AA 219-376
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Caspase 8 protein is labelled with His tag.

Product Details

Sequence:	Ser 219-Gly 376
Characteristics:	A DNA sequence encoding the Mouse CASP8 protein (O89110) (Ser219-Gly376) was expressed with a N-His .
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Caspase 8 (CASP8)
Alternative Name:	Caspase-8 (CASP8 Products)
Background:	Abbreviation: Caspase-8,CASP8 Target Synonym: CASP8_MOUSE,Caspase-8,Casp8,EC:3.4.22.61 Background: Caspase-8 (Cysteine-aspartic acid protease 8/Casp8a, also named MCH5, FLICA and MACH alpha 1) is a 28 kDa member of the peptidase C14A family of enzymes. It is widely

Target Details

	expressed and is considered an initiating caspase for the apoptotic cascade. Caspase-8 acts on a wide variety of substrates, including procaspases?3, 4, 6, 7, 9 and 10, c?FLIPL and procaspase-8 itself. Human procaspase?8a is a 54?56 kDa, 479 amino acid (aa) protein. It contains two N?terminal death domains (aa 1?177), followed by a catalytic site that utilizes His317Gly318 plus Cys360. Normally, it is an inactive, cytosolic monomer. But following death?domain (DD) containing receptor oligomerization, Caspase?8 is recruited to the death-inducing signaling complex (DISC) that forms around the death domains of the oligomerized receptor.
Molecular Weight:	Calculated MW: 17.27 kDa Observed MW: 20 kDa
UniProt:	O89110
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Activation of Innate immune Response, Tube Formation, Positive Regulation of Endopeptidase Activity, Toll-Like Receptors Cascades

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months