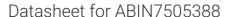
antibodies .- online.com







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



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| 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 (089110) (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 |

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:

089110

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 |