

32-8198: Recombinant Human Caspase-10/CASP10 (C-6His)

Gene : CASP10

Gene ID : 843

Uniprot ID : Q92851

Description

Source: E. coli.

MW :30.1kD.

Recombinant Human Caspase-10 is produced by our E.coli expression system and the target gene encoding Val220-Ile480 is expressed with a 6His tag at the C-terminus. Caspase-10 (CASP10) is a 521 amino acid protein member of the Cysteine-Aspartic Acid Protease (Caspase) family. CASP10 contains two DED (Death Effector) domains and is detectable in most tissues. CASP10 cleavage by Granzyme B and autocatalytic activity generate the two active subunits: Caspase-10 subunit p23/17, Caspase-10 subunit p12. Caspases are a family of cytosolic aspartate-specific cysteine proteases involved in the execution-phase of cell apoptosis, the initiation and execution. Human caspases can be subdivided into three functional groups: cytokine activation (caspase-1, -4, -5, and -13), apoptosis initiation (caspase-2, -8, -9, -and -10), and apoptosis execution (caspase-3, -6, and -7). CASP10 cleaves and activates caspases 3 and 7, but itself is processed by caspase 8. Defects in CASP10 are associated with apoptosis defects seen in type II autoimmune lymphoproliferative syndrome.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 25mM HEPES, 10mM DTT, pH 7.5.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MVKTFLEALPQESWQNKHAGSNGNRATNGAPSLVSRGMQGASANTLNSETSTKRAAVYRMNRNHRGLCVIV
NNHSFTSLKDRQGTKDAEILSHVFQWLGFVTHHNNVTKVEMEMVLQKQKCNPAHADGDCVFCILTHGRF
GAVYSSDEALIPREIMSHFTALQCPRLAEKPKLFFIQACQGEEIQPSVSIADALNPEQAPTSLQDSIPAEADFL
GLATVPGYVSFRHVEEGSWYIQSLCNHLKKLVPRHEDILSILEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.