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Datasheet for ABIN7318249

**Caspase 10 Protein (His tag)**

## Overview

Quantity:	50 µg
Target:	Caspase 10 (CASP10)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Caspase 10 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Caspase-10/CASP10 Protein (His Tag)
Sequence:	Val220-Ile480
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Caspase 10 (CASP10)
Alternative Name:	Caspase-10/CASP10 ( <a href="#">CASP10 Products</a> )
Background:	Background: 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

## Target Details

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.

Synonym: Caspase-10, CASP-10, Apoptotic Protease Mch-4, FAS-Associated Death Domain Protein Interleukin-1B-Converting Enzyme 2, FLICE2, ICE-Like Apoptotic Protease 4, CASP10, MCH4

Molecular Weight: 30.1 kDa

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

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

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.