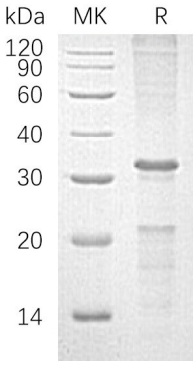
Product Name: Recombinant Human CASP10 (C-6His)
Catalog #: PEH0236

Summary

Name	Caspase-10/CASP10
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q92851-4
Host	E.coli
Species	Human
Predicted Molecular Mass	30.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 8% Sucrose, 1mM DTT, 0.05% Tween80, pH8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	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

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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 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.

Note

For Research Use Only , Not for Diagnostic Use.