

CASP5 抗原（重组蛋白）

中文名称： CASP5 抗原（重组蛋白）

英文名称： CASP5 Antigen (Recombinant Protein)

别名： caspase 5, apoptosis-related cysteine peptidase; ICH-3; ICEREL-III; ICE(rel)III

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 235-434 amino acids of human CASP5

技术规格

Full name:	caspase 5, apoptosis-related cysteine peptidase
Synonyms:	ICH-3; ICEREL-III; ICE(rel)III
Swissprot:	P51878
Gene Accession:	BC113406
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts.

Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene.