

Recombinant Human CASP5 Protein, GST-Tagged

Cat. No. CASP5-0425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CASP5 partial ORF (NP_004338, 309 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	309-418 aa
Description	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. [provided by RefSeq, Aug 2010]
Molecular Mass	37.84 kDa
AA Sequence	VRDSPASLAVISSQSSSENLEADSVCKIHEEKDFIAFCSSTPHNVSWRDRTRGSIFITEL ITCFQKYSCCCHLMEIFRKVQKSFEVPQAKAQMP TIERATLTRDFYLFPGN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

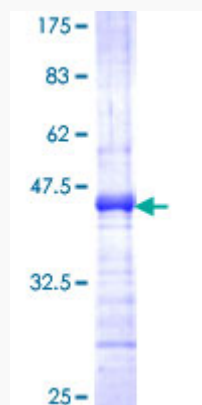
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CASP5 caspase 5, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP5
Synonyms	CASP5; caspase 5, apoptosis-related cysteine peptidase; caspase 5, apoptosis related cysteine protease; caspase-5; ICE(rel)III; CASP-5; TY protease; protease TY; ICE(rel)-III; protease ICH-3; caspase 5, apoptosis-related cysteine protease; ICH-3; ICEREL-III; MGC141966;
Gene ID	838
mRNA Refseq	NM_001136109
Protein Refseq	NP_001129581
MIM	602665
UniProt ID	P51878

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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