

## Recombinant Human CASP5 Protein, GST-Tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human CASP5 partial ORF (NP_004338, 309 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	309-418 aa
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	37.84 kDa
<b>AA Sequence</b>	VRDSPASLAVISSQSSSENLEADSVCKIHEEKDFIAFCSSTPHNVSWRDRTRGSIFITEL ITCFQKYSCCCHLMEIFRKVQKSFEVPQAKAQMPTIERATLTRDFYLFPGN

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

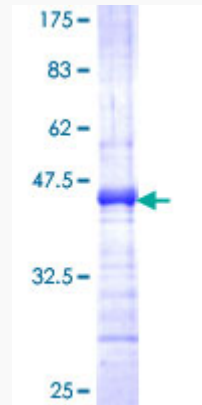
<b>Gene Name</b>	CASP5 caspase 5, apoptosis-related cysteine peptidase [ Homo sapiens ]
<b>Official Symbol</b>	CASP5
<b>Synonyms</b>	CASP5; caspase 5, apoptosis-related cysteine peptidase; caspase 5, apoptosis related cysteine protease; caspase-5; ICE(rel)III; CASP-5; TY protease; protease TY; ICE(rel)-III; protease ICH-3; caspase 5, apoptosis-related cysteine protease; ICH-3; ICEREL-III; MGC141966;
<b>Gene ID</b>	838
<b>mRNA Refseq</b>	NM_001136109
<b>Protein Refseq</b>	NP_001129581
<b>MIM</b>	602665
<b>UniProt ID</b>	P51878

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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