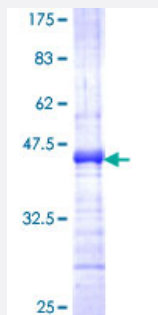


CASP5 (Human) Recombinant Protein (Q01)

Catalog # H00000838-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CASP5 partial ORF (NP_004338, 309 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VRDSPASLAVISSQSSSENLEADSVCKIHEEKDFIAFCSSTPHNVSWRDRTRGSIFITELITCFQKYS CCCHLMEIFRKVQKSFEVPQAKAQMP TIERATLTRDFYLFPGN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CASP5

Entrez GeneID [838](#)

GeneBank Accession# [NM_004347](#)

Protein Accession# [NP_004338](#)

Gene Name CASP5

Gene Alias ICE(rel)III, ICEREL-III, ICH-3, MGC141966

Gene Description caspase 5, apoptosis-related cysteine peptidase

Omim ID [602665](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000045729|TY protease|caspase 5|caspase 5, apoptosis-related cysteine protease

Disease

- [Adenocarcinoma](#)

- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
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