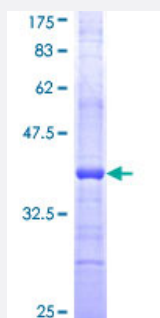


CASP2 (Human) Recombinant Protein (Q01)

Catalog # H00000835-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CASP2 partial ORF (AAH02427, 121 a.a. - 220 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TLSGLQHVLPPPLSCDYDLSPFPVCECPLYKKLRLSTDVEHSLDNKDGPLCLQVKPCTPEFYQ THFQLAYRLQSRPRGLALVLSNVHFTGEKELEFRS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — CASP2

Entrez GeneID [835](#)

GeneBank Accession# [BC002427](#)

Protein Accession# [AAH02427](#)

Gene Name CASP2

Gene Alias CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2

Gene Description caspase 2, apoptosis-related cysteine peptidase

Omim ID [600639](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein which is 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. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq]

Other Designations ICH-1 protease|NEDD2 apoptosis regulatory|caspase 2|neural precursor cell expressed, developmentally down-regulated 2

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)

- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
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- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)