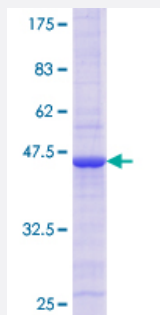


CASP10 (Human) Recombinant Protein (Q02)

Catalog # H00000843-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CASP10 partial ORF (NP_116756.2, 19 a.a. - 187 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SFREKLLIIDSNLGVQDVENLKFLCIGLVPNKKLEKSSSASDVFEHLLAEDLLSEEDPFFLAELLYII RQKKLLQHLNCTKEEVERLLPTRQRVSLFRNLLYELSEGIDSENKDMIFLLKDSLPKTEMTSLSFL AFLEKQKGIDEDNLTCLDLCKTVVPKLLRNIEK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.22
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 — CASP10

Entrez GeneID	843
GeneBank Accession#	NM_032974
Protein Accession#	NP_116756.2
Gene Name	CASP10
Gene Alias	ALPS2, FLICE2, MCH4
Gene Description	caspase 10, apoptosis-related cysteine peptidase
Omim ID	137215 601762 603909 605027
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. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with apoptosis defects seen in type II autoimmune lymphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	FADD-like ICE2 Fas-associated death domain protein ICE-like apoptotic protease 4 apoptotic protease MCH-4 caspase 10 caspase 10, apoptosis-related cysteine protease interleukin-1B-converting enzyme 2

Pathway

- [Apoptosis](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Clubfoot](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neovascularization](#)

- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)