

## Recombinant Human CASP2 cell lysate

Cat. No. CASP2-285HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	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.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	CASP2 caspase 2, apoptosis-related cysteine peptidase [ Homo sapiens ]
<b>Official Symbol</b>	CASP2
<b>Synonyms</b>	CASP2; caspase 2, apoptosis-related cysteine peptidase; NEDD2, neural precursor cell expressed, developmentally down regulated 2; caspase-2; ICH1; PPP1R57;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

protein phosphatase 1; regulatory subunit 57; protease ICH-1; protein phosphatase 1, regulatory subunit 57; neural precursor cell expressed developmentally down-regulated protein 2; NEDD2; CASP-2; NEDD-2;

**Gene ID** [835](#)

**mRNA Refseq** [NM\\_001224](#)

**Protein Refseq** [NP\\_001215](#)

**MIM** [600639](#)

**UniProt ID** [P42575](#)

**Chromosome Location** 7q34-q35

**Pathway** Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; HIV-1 Nef: Negative effector of Fas and TNF-alpha, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

**Function** cysteine-type endopeptidase activity; enzyme binding; peptidase activity; protein binding; protein domain specific binding;

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