

# Recombinant Full Length Human CASP2 Protein, GST-tagged

**Cat. No.** CASP2-2926HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CASP2 full-length ORF (AAH02427.2, 1 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	452 amino acids
<b>Description</b>	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Caspases mediate cellular apoptosis through the proteolytic cleavage of specific protein substrates. The encoded protein may function in stress-induced cell death pathways, cell cycle maintenance, and the suppression of tumorigenesis. Increased expression of this gene may play a role in neurodegenerative disorders including Alzheimer's disease, Huntington's disease and temporal lobe epilepsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
<b>Molecular Mass</b>	77.1 kDa
<b>AA Sequence</b>	MAAPSAGSWSTFQHKELMAADRGRRLGVCGMHPHHQETLKKNRVVLAKQLLLSE LLEHLLEKDIITLEMRELIQAKVGSFSQNVLLNLLPKRGPQAFDAFCEALRETKQGH LEDMLLTTL SGLQHVL PPLSCDYDLSL PFPVCESCPLYKKLRLSTDTVEHSLDNKDG PLCLQVKPCTPEFYQTHFQLAYRLQSRPRGLALVLSNVHFTGEKELEFRSGGDVDH STLVTLFKLLGYDVHVLCDQTAQEMQEKLQNFAQLPAHRVTDSCIVALLSHGVEGAI

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YGVDGKLLQLQEVFQLFDNANCP SLQNKPKMFFIQACRGDETD RGV DQQDGKNHA  
 GSPGCEESDAGKEKLPKMLP TRSDMICGYACLKGTAAMRNTKRG SWYIEALAQVF  
 SERACDMHVADMLVKVNALIKDREGYAPGTEFHRCKEMSEY CSTLCRHL YLFP GHP  
 PT

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

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [CASP2 caspase 2, apoptosis-related cysteine peptidase \[ Homo sapiens \]](#)

**Official Symbol** [CASP2](#)

**Synonyms** CASP2; caspase 2, apoptosis-related cysteine peptidase; NEDD2, neural precursor cell expressed, developmentally down regulated 2; caspase-2; ICH1; PPP1R57; 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](#)

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<b>MIM</b>	600639
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<b>UniProt ID</b>	P42575
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