

## Product datasheet for **AR51508PU-N**

### Caspase-2 (348-452, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Caspase-2 (348-452, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAGKEKLPKM RLPTRSDMIC GYACLKGTAA MRNTRKGSWY IEALAQVFSE RACDMHVADM LVKVNALIKD REGYAPGTEF HRCKEMSEYC STLCRHLVLF PGHPPT
Tag:	His-tag
Predicted MW:	14.1 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CASP2 protein, fused to His-tag at N-terminus, was expressed in E.coli .
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001215</a>
Locus ID:	835
UniProt ID:	<a href="#">P42575</a> , <a href="#">D3DXD9</a>
Cytogenetics:	7q34
Synonyms:	CASP-2; ICH1; NEDD-2; NEDD2; PPP1R57



[View online »](#)

**Summary:**

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]

**Protein Families:**

Druggable Genome, Protease

**Product images:**