

Recombinant Rat Casp9 protein, His-tagged

Cat. No. Casp9-629R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Casp9 aa. (Met1~His200) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~His200
Description	This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, the initiator caspase, is activated after cytochrome c release from mitochondria and targets downstream effectors. In mouse, deficiency of this gene can cause perinatal lethality. This protein may have a role in normal brain development. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
Form	Freeze-dried powder
Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>92%
Characteristic	The isoelectric point is 6.1.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	Casp9 caspase 9 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Casp9
Synonyms	Casp9; caspase 9; Mch6; APAF-3; CASP-9; AI115399; AW493809; ICE-LAP6; Caspase-9; ICE-like apoptotic protease 6; apoptotic protease Mch-6; apoptotic protease-activating factor 3
Gene ID	12371
mRNA Refseq	NM_001277932.1
Protein Refseq	NP_001264861.1

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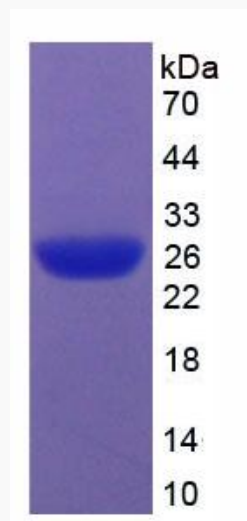
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UniProt ID

A2AS93

SDS-PAGE

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