

Recombinant Rat Casp4 Protein, His-tagged

Cat. No. Casp4-626R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Casp4 Protein (Met1-Asn373) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Asn373
Description	Enables scaffold protein binding activity. Predicted to be involved in several processes, including cellular response to amyloid-beta; positive regulation of tumor necrosis factor-mediated signaling pathway; and protein autoprocessing. Predicted to act upstream of or within ectopic germ cell programmed cell death; positive regulation of interleukin-1 beta production; and pyroptosis. Located in neuron projection and neuronal cell body. Part of protein-containing complex. Orthologous to human CASP4 (caspase 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.4 kDa; Accurate Molecular Mass: 46 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Casp4 caspase 4, apoptosis-related cysteine peptidase [*Rattus norvegicus* (Norway rat)]

Official Symbol

Casp4

Synonyms

CASP4; caspase 4, apoptosis-related cysteine peptidase; caspase 4; caspase 11; Casp11; MGC124949;

Gene ID

114555

mRNA Refseq

NM_053736

Protein Refseq

NP_446188

UniProt ID

E9PSM0

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