

Recombinant Rat Casp1 protein, His-tagged

Cat. No. Casp1-577R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Casp1 (Q91W32) aa. (Asn119~Asp296) fused with His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asn119~Asp296
Description	An apoptotic protease that may play a role in inflammation and apoptosis in male sex organs
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.2kDa; Accurate Molecular Mass: 21kDa as determined by SDS-PAGE reducing conditions.
Purity	>95%
Characteristic	Isoelectric point is 7.7.
Applications	Cell culture; Activity Assays.
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,

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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

Casp1 caspase 1 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Casp1

Synonyms

Casp1; caspase 1; Ice; Il1bc; caspase-1; CASP-1; IL-1 beta-converting enzyme; IL-1BC; Interleukin 1beta converting enzyme; interleukin 1, beta, convertase; interleukin-1 beta-converting enzyme; p45

Gene ID

25166

mRNA Refseq

[NM_012762.2](#)

Protein Refseq

[NP_036894.2](#)

UniProt ID

[Q91W32](#)

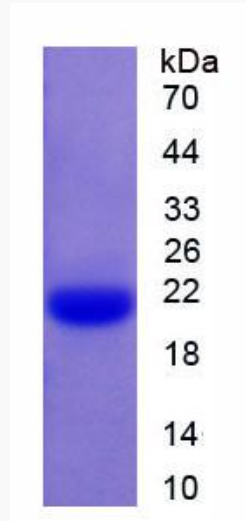
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SDS-PAGE



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