

## Recombinant Pig CASP1 protein, His-tagged

**Cat. No.** CASP1-7152P    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Pig CASP1 aa. (Asn120~Asp297 (Accession # Q9N2I1)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                                    |
| <b>Species</b>          | Pig                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Asn120~Asp297                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 21 kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 6.7.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. 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.<br>(Referring from China Biological Products Standard, which was calculated by the |

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Arrhenius equation.) The loss of this protein 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**

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

CASP1 caspase 1, apoptosis-related cysteine peptidase [ *Sus scrofa* (pig) ]

**Official Symbol**

CASP1

**Synonyms**

CASP1; caspase-1; CASP-1; ICE; IL-1 beta-converting enzyme; IL-1BC; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase); interleukin-1 beta convertase; interleukin-1 beta converting enzyme; p45

**Gene ID**

397319

**mRNA Refseq**

NM\_214162.1

**Protein Refseq**

NP\_999327.1

**UniProt ID**

Q9N2I1

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