

Recombinant Caspase 11 (CASP11)

Catalog No.GXP87060 20µg

Sequence Information

Species: Mouse

Gene ID:12363

Swiss Prot:P70343

Synonyms:Caspase-11,Protease ICH-3

Residues:Pro81~Glu266(20)

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PGSHHG EANL EMEEPEESLN TLKLCSP EEF TRLCREKTQE IYPIKEANGR TRKALIICNT  
EFKHL S LRYG ANFDIIGMKG LLEDLGYDVV VKEELTAEGM ESEMKDFAAL SEHQTS DSTF  
LVLMSHG TLH GICGTMHSEK TPDVLQYDTI YQIFNNCHCP GLRDKPKVII VQACRGGNSG  
EMWIRE
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Product Information

Source: Prokaryotic expression.

Host: *E. coli*

Tags: N-terminal His-Tag

Subcellular Location:

Cytoplasm, Endoplasmicreticulum, Inflammasome, Membrane,Secreted

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, 5% Trehalose.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.6

Predicted Molecular Mass: 22.5kDa

Accurate Molecular Mass: 27kDa as determined by SDS-PAGE reducing conditions.

The possible reasons that the actual band size differs from the predicted are as follows:

- 1.Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[IDENTIFICATION]

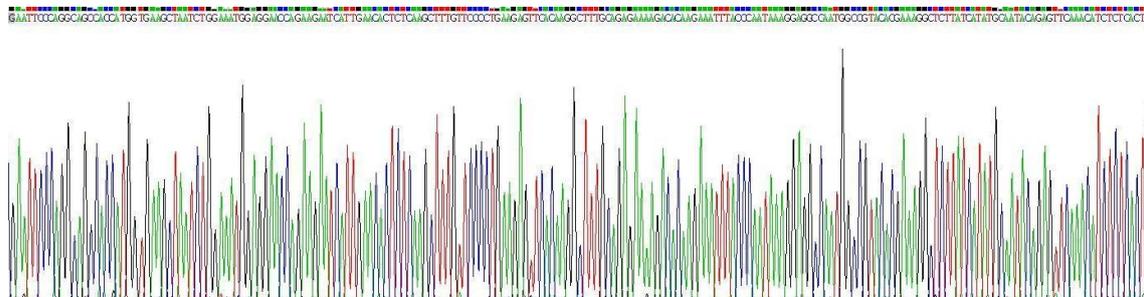


Figure 1. Gene Sequencing (Extract)

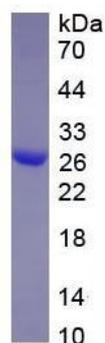


Figure 2. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.