

Product Datasheet

Recombinant Mouse Caspase-1 Protein NBP1-99607-100Each

Unit Size: 100 Each

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP1-99607-100Each**Recombinant Mouse Caspase-1 Protein**

Product Information	
Unit Size	100 Each
Concentration	Lyoph
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute to 1 unit per ul in PBS containing 15% glycerol.
Purity	SDS-PAGE
Buffer	Semi-Dry
Target Molecular Weight	45.64 kDa

Product Description	
Description	<p>Recombinant protein for Mouse Caspase-1</p> <p>Source: <i>E. coli</i> Amino Acid Sequence: (P29452)</p> <p><i>This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: ab52079)</i></p>
Gene ID	834
Gene Symbol	CASP1
Species	Mouse
Details of Functionality	The recombinant active mouse caspase-1 was expressed in <i>E. coli</i> . The active caspase-1 preferentially cleaves caspase-1 substrates (e.g., YVAD-AFC or YVAD-pNA) and is routinely tested at for its ability to enzymatically cleave these two substrates Ac-YVAD-pNA or Ac-YVAD-AFC.

Product Application Details	
Applications	Bioactivity
Recommended Dilutions	Bioactivity
Application Notes	<p>Active caspase-1 is useful in studying enzyme regulation, determining target substrates, screening caspase inhibitors, or as a positive control in caspase activity assays. We recommend using 1 unit/assay for analyzing caspase activity.</p> <p>Each Definition: One unit of the recombinant caspase-1 is the enzyme activity that cleaves 1 nmol of the caspase substrate Ac-YVAD-pNA (pNA: pnitroaniline) per hour at 37C in a reaction solution containing 50 mM Hepes pH 7.2 50 mM NaCl 0.1% Chaps 10 mM EDTA 5% Glycerol and 10 mM DTT.</p> <p>Molecular Weight: large (20 kD) and small (10 kD) subunits.</p> <p>Specific activity: >3500 units/mg</p>

Publications

Wu S, Liao J, Hu G et al. Corilagin alleviates LPS-induced sepsis through inhibiting pyroptosis via targeting TIR domain of MyD88 and binding CARD of ASC in macrophages Biochemical pharmacology 2023-09-13 [PMID: 37714273]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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