Product Datasheet

Recombinant Human Caspase-1 Protein
NBP1-99608-25Units

Unit Size: 25 Units

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

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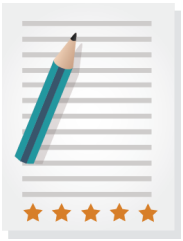
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-99608

Updated 5/29/2024 v.20.1



NBP1-99608-25Units

Recombinant Human Caspase-1 Protein

Product Information

Unit Size	25 Units
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	Lyophilized
Target Molecular Weight	45 kDa

Product Description

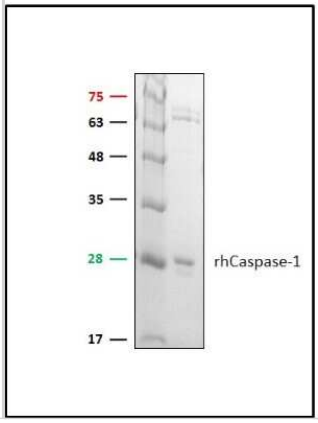
Description	Recombinant protein for Human Caspase-1 Source:*E. coli.* *Amino Acid Sequence:(NP_150634.1)* *This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: ab39901-25)*
Gene ID	834
Gene Symbol	CASP1
Species	Human

Product Application Details

Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity
Application Notes	Unit/Each Definition: One unit of the recombinant caspase-1 is the enzyme activity that cleaves 1 nmol of the caspase substrate YVAD-pNA (pNA: pnitroanaline) 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. Molecular Weight: large (20 kD) and small (10 kD) subunitsk Specific activity: > 5000 units/mg

Images

SDS-Page: Recombinant Human Caspase-1 Protein [NBP1-99608]



Publications

LaRock DL, Johnson AF, Wilde S Et al. Group A Streptococcus induces GSDMA-dependent pyroptosis in keratinocytes Nature 2022-05-11 [PMID: 35545676] (Func, Human)

Details:
Citation using the DyLight 800 version of this antibody.

Liu C, Li H, Xu F et al. Cannabidiol Protects Human Skin Keratinocytes from Hydrogen-Peroxide-Induced Oxidative Stress via Modulation of the Caspase-1-IL-1 beta Axis Journal of natural products 2021-05-28 [PMID: 33955754]

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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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