

Recombinant human Caspase-1 protein (Active) ab39901

5 References 1 图像

描述	
产品名称	重组人Caspase-1蛋白(Active)
生物活性	Specific Activity: > 5000 units/mg. Unit definition: One unit of the recombinant caspase-1 is the enzyme activity that cleaves 1 nmol of the caspase substrate YVAD-pNA (pNA: pnitroaniline) per hour at 37°C 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.
纯度	> 80 % SDS-PAGE. Affinity chromatography.
表达系统	Escherichia coli
Accession	P29466
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	NPAMPTSSGS EGNVKLCSLE EAQRIWKQKS AEIYPIMDKS SRTRLALIIC NEEFDSIPRR TGAEVDITGM TMLLQNLGYS VDVKKNLTA DMTTELEAFA HRPEHKTSDS TFLVFMSHGI REGICGKKHS EQVPDILQLN AIFNMLNTKN CPSLKDKPKV IIIQACRGDS PGVVWFKDSV GVSGNLSLPT TEEFEDDAIK KAHIEKDFIA FCSSTPDNVS WRHPTMGSVF IGRLEIHMQE YACSCDVEEI FRKVRFSFEQ PDGRAQMPTT ERVTLTRCFY LFPGH
预测分子量	32 kDa
分子量信息	Large subunit 20 kDa and small subunit 10 kDa.
氨基酸	120 to 404
标签	His tag N-Terminus
额外的序列信息	(Gene ID 834) (NP_150634.1) Full length mature protein, minus propeptide (aa 1-119).

技术指标

Our **Abpromise guarantee** covers the use of **ab39901** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Lyophilized
补充说明	<p>This product is manufactured by BioVision, an Abcam company and was previously called 1081 Active Caspase-1, Human Recombinant. 1081-25 is the same size as the 25 unit size of ab39901.</p> <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.</p> <p>The active caspase 1 preferentially cleaves caspase-1 substrates (e.g., YVAD-AFC or YVAD-pNA).</p>

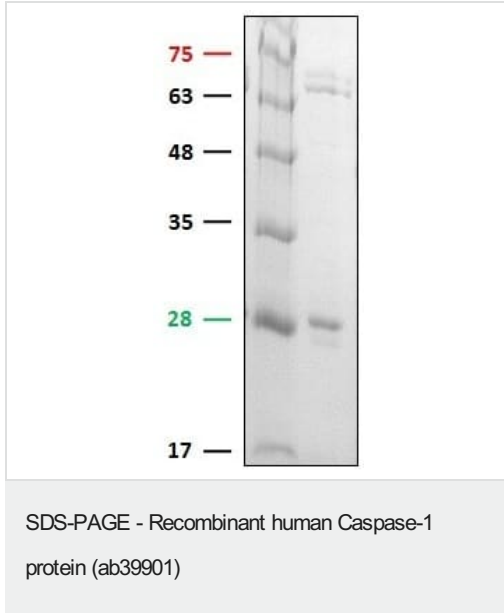
制备和贮存

稳定性和存储	<p>Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.40</p> <p>Constituents: 10.269% Trehalose, 0.727% Dibasic monohydrogen potassium phosphate, 0.248% Monobasic dihydrogen potassium phosphate</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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常规信息

相关性	<p>Caspases are a family of cysteine proteases that are key mediators of programmed cell death or apoptosis. The precursor form of all caspases is composed of a prodomain, and large and small catalytic subunits. The active forms of caspases are generated by several stimuli including ligand-receptor interactions, growth factor deprivation and inhibitors of cellular functions. All known caspases require cleavage adjacent to aspartates to liberate one large and one small subunit, which associate into $\alpha_2\beta_2$ tetramer to form the active enzyme. Caspase 1 is similar to the cell death gene CED3 of <i>C. elegans</i> and regulates multiple proinflammatory cytokines, including Interleukin 1b and interferon-gamma-inducing factor. Caspase 1 plays a role in down stream of Caspase 8 which is involved in Fas-mediated apoptosis.</p>
细胞定位	Cytoplasmic

图片



ab39901 on SDS-PAGE.

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