

Recombinant Human CASP1, GST-tagged

Cat. No. CASP1-10729H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-311a.a.
Description	This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CASP1 caspase 1, apoptosis-related cysteine peptidase [Homo sapiens]
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Official Symbol	CASP1
Synonyms	CASP1; caspase 1, apoptosis-related cysteine peptidase; caspase 1, apoptosis related cysteine peptidase (interleukin 1, beta, convertase) , caspase 1, apoptosis related cysteine protease (interleukin 1, beta, convertase) , IL1BC; caspase-1; caspase 1; ICE; interleukin 1; beta; convertase; IL1B-convertase; CASP1 nirs variant 1; IL-1 beta-converting enzyme; interleukin 1, beta, convertase; interleukin 1-B converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase); P45; IL1BC;
Gene ID	834
mRNA Refseq	NM_001223
Protein Refseq	NP_001214
MIM	147678
UniProt ID	P29466
Chromosome Location	11q23
Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Cellular roles of Anthrax toxin, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	cysteine-type endopeptidase activator activity involved in apoptotic process; cysteine-

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type endopeptidase activity; peptidase activity; protein binding;

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