

Recombinant Human CASP1, GST-tagged

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

SPECIFICATION

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| 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 an 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

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| 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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