

## Recombinant Human CASP7 protein, His-tagged

**Cat. No.** CASP7-7269H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CASP7 protein(P55210-1) (Met 1-Gln 303) was expressed in E.coli, fused with a polyhistidine tag at the C-terminus.                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-303 aa                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile 20mM HEPES, 100mM NaCl, 1mM EDTA, 0.10% Sucrose, 0.1% chaps, pH 7.5.                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | The full length of recombinant human CASP7 comprises 313 amino acids and has a calculated molecular mass of 35KDa. As a result of proteolytic cleavage, the apparent molecular mass of the protein is approximately 20 & 11 kDa, corresponding to the N-terminal P20 subunit and the C-terminal p11 subunit respectively in SDS-PAGE under reducing conditions. |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                            |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                                                        |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

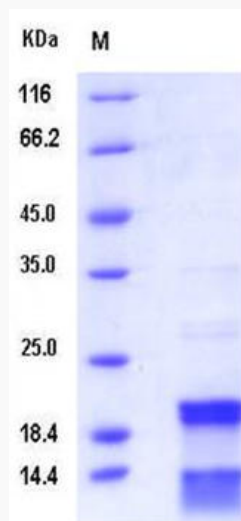
|                        |                                                                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CASP7 caspase 7, apoptosis-related cysteine peptidase [ Homo sapiens ]                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | CASP7                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | CASP7; caspase 7, apoptosis-related cysteine peptidase; caspase 7, apoptosis related cysteine protease; caspase-7; CMH 1; ICE LAP3; MCH3; CASP-7; Lice2 alpha/beta/gamma; caspase 7 isoform delta; apoptotic protease MCH-3; ICE-like apoptotic protease 3; caspase 7, apoptosis-related cysteine protease; CMH-1; ICE-LAP3; |
| <b>Gene ID</b>         | 840                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_001227                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_001218                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 601761                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | P55210                                                                                                                                                                                                                                                                                                                       |

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SDS-PAGE



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