

# Recombinant Full Length Human CAPNS2 Protein, GST-tagged

**Cat. No.** CAPNS2-2831HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CAPNS2 full-length ORF (AAH05397, 1 a.a. - 248 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 248 amino acids                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | CAPNS2 (Calpain Small Subunit 2) is a Protein Coding gene. Among its related pathways are Degradation of the extracellular matrix and Neurodegenerative Diseases. GO annotations related to this gene include calcium ion binding and calcium-dependent cysteine-type endopeptidase activity. An important paralog of this gene is CAPNS1. |
| <b>Molecular Mass</b>   | 53.02 kDa                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MFLAKALLEGADRGLGEALGGLFGGGGQRREGGGRNIGGIVGGIVNFISEAAAAQY<br>TPEPPPTQQHFTSVEASESEEVRRFRQQFTQLAGPDMEVGATDLMNILNKVLSKHK<br>DLKTDGFSLDTCRSIVSVMDSDDTGKLGFEFEFKYLWNNIKKWQCVYKQYDRDHSGS<br>LGSSQLRGALQAAGFQLNEQLYQMIVRRYANEDGDMDFNNFISCLVRLDAMFRAFK<br>SLDRDRDGLIQVSIKEWLQLTMYS                                                                  |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                  |

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Antibody Production  
Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** CAPNS2 calpain, small subunit 2 [ Homo sapiens ]

**Official Symbol** CAPNS2

**Synonyms** CAPNS2; calpain, small subunit 2; calpain small subunit 2; MGC12536; MGC14804; CSS2; calcium-dependent protease small subunit 2;

**Gene ID** 84290

**mRNA Refseq** NM\_032330

**Protein Refseq** NP\_115706

**UniProt ID** Q96L46

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