

## Recombinant Human CAPN1 Protein, GST-Tagged

**Cat. No.** CAPN1-0355H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CAPN1 partial ORF (AAH08751, 610 a.a. - 714 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]</p> |
| <b>Molecular Mass</b>   | 37.18 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | FNILWNRIRNYLSIFRKFDLDKSGSMSAYEMRMAIESAGFKLNKKLYELIITRYSEPD<br>AVDFDNFVCCLVRLETMFRFFKLTDLTDLGVVTFDLFKWLQLTMFA                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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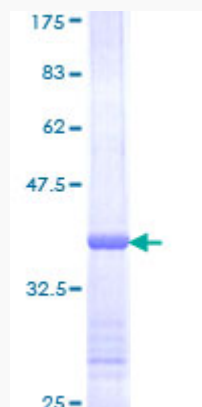
|                         |                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | CAPN1 calpain 1, (mu/l) large subunit [ Homo sapiens ]                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | CAPN1                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | CAPN1; calpain 1, (mu/l) large subunit; calpain-1 catalytic subunit; CANP; CANPL1; muCANP; muCL; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein; CANP1; |
| <b>Gene ID</b>          | 823                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_001198868                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001185797                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 114220                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | P07384                                                                                                                                                                                                                                                                                                                                    |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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