

## Recombinant Human CAPN12 Protein, MYC/DDK-tagged

Cat. No. CAPN12-390H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human CAPN12 fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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 a member of the calpain large subunit family. |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 80.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                             |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|------------------------|------------------------------------|
| <b>Gene Name</b>       | CAPN12 calpain 12 [ Homo sapiens ] |
| <b>Official Symbol</b> | CAPN12                             |
| <b>Synonyms</b>        | CAPN12; calpain 12;                |
| <b>Gene ID</b>         | 147968                             |
| <b>mRNA Refseq</b>     | NM_144691                          |
| <b>Protein Refseq</b>  | NP_653292                          |
| <b>MIM</b>             | 608839                             |
| <b>UniProt ID</b>      | Q6ZSI9                             |

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