

## Recombinant Human CAPN12 Protein, GST-Tagged

Cat. No. CAPN12-0359H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CAPN12 full-length ORF (AAI53094.1, 1 a.a. - 719 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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. [provided by RefSeq, Jun 2012]
<b>Molecular Mass</b>	105.49 kDa
<b>AA Sequence</b>	<p>MASSSGRVTIQLVDEEAGVGAGRLQLFRGQSYEAIRAAACLDGILFRDPYFPAGPDA            LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGSLGNCWFLAAAA            SLTLYPRLLRRVPPGQDFQHGYAGVFHFQLWQFGRWMDVVDDRLPVREGKLM            FVRSEQRNEFWAPLLEKAYAKLHGSYEVMRGGHMNEAFVDFTGGVGEVLYLRQNS            MGLFSALRHAKESLVGATALSDRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVRLL            LRLRNPWGCVEWTGAWSDCPRWDTLPTECRDALLVKKEDGEFWMELRDFLLHF            DTVQICSLSPEVLGPSPEGGGWVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR            LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQRNRRRLRAK</p>

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GLTYLTVGFHVFIQIPEELLGLWDSRSHALLPRLLRADRSPHSARRDVTRRCCLRPG  
 HYLVPSTAHAGDEADFTLRVFSERRHTAVEIDVISADLQSLQGPYLPLELGLEQLF  
 QELAGEEEELNASQLQALLSIALEPARAHTSTPREIGLRTCEQLLQCFGHGQSLALH  
 HFQQLWGYLLEWQAIFNKFDEDTSGTMNSYELRLALNAAGFHLNNQLTQTLTSRYR  
 DSRLRVDFERFVSCVAHLTCIFCHCSQHLDGGEGVICLTHRQWMEVATFS

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 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** CAPN12 calpain 12 [ Homo sapiens ]

**Official Symbol** CAPN12

**Synonyms** CAPN12; calpain 12;

**Gene ID** 147968

**mRNA Refseq** NM\_144691

**Protein Refseq** NP\_653292

**MIM** 608839

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UniProt ID

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