

Recombinant Full Length Human CAPN12 Protein, GST-tagged

Cat. No. CAPN12-2817HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAPN12 full-length ORF (AAI53094.1, 1 a.a. - 719 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	719 amino acids
Description	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]
Molecular Mass	105.49 kDa
AA Sequence	MASSSGRVTIQLVDEEAGVGAGRLQLFRGQSYEAIRAAACLDGILFRDPYFPAGPDA LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGS LGNCWFLAAAA SLTLYPRLLRRRVPPGQDFQHGYAGVFHFQLWQFGRWMDVVDDRLPVREGKLM FVRSEQRNEFWAPLLEKAYAKLHGSYEVMRGGHMNEAFVDFTGGVGEVLYLRQNS MGLFSALRHAKESLVGATALSDRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVR LRLRNPWGCVEWTGAWS DSCPRWDTLPTECRDALLVKKEDGEFWMELRD FLLHF DTVQICSLSPEVLGPSPEGGGWVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR

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LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQNRRLRAK
 GLTYLTVGFHVFIPEELLGLWDSRSHALLPRLLRADRSPLSARRDVTRRCCLRPG
 HYLVPSTAHAGDEADFTLRVFSERRHTAVEIDDISADLQSLQGPYLPLELGLEQLF
 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

Q6ZSI9

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