

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
Protein Length	719 amino acids
Description	<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 a member of the calpain large subunit family. [provided by RefSeq, Jun 2012]</p>
Molecular Mass	105.49 kDa
AA Sequence	<p>MASSSGRVTIQLVDEEAGVGAGRLQLFRGQSYEAIRAAACLD SGILFRDPYFPAGPDA LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGSLGNCWFLAAAA SLTLYPRLLRRVPPGQDFQHGYAGVFHFQLWQFGRWMDVVDDRLPVREGKLM FVRSEQRNEFWAPLLEKAYAKLHGSYEV MRGGHMNEAFVDFTGGVGEVLYLRQNS MGLFSALRHAKESLVGATALS DRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVR L LRLRNPWGCV EWTGAWSDSCPRWDTLPTECRDALLVKKEDGEFWMELRDFLLHF DTVQICSLSPEVLGSP EGGGWVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR</p>

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LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQRNRRRLRAK
 GLTYLTVGFHFVFIPEELLGLWDSRSHALLPRLLRADRSPLSARRDVTRRCCLRPG
 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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