

Recombinant Human CAPN12 Protein, GST-Tagged

Cat. No. CAPN12-0359H **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	Wheat Germ
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 LGYDQLGPDSEKAKGVKWMRPHEFCAEPKFICEDMSRTDVCQGSLGNCWFLAAAA SLTLYPRLRRRVPPGQDFQHGYAGVFHFQLWQFGRWMDVVDDRLPVREGKLM FVRSEQRNEFWAPLLEKAYAKLHGSYEVMRGGHMNEAFVDFTGGVGEVLYLRQNS MGLFSALRHAKESLVGATALSDRGEYRTEEGLVKGHAYSITGTHKVFLGFTKVRL LRLRNPWGCVEWTGAWSDCPRWDTLPTECRDALLVKKEDGEFWMELRDFFLLHF DTVQICSLSPEVLGPSPEGGGWVHTFQGRWVRGFNSGGSQPNAETFWTNPQFR LTLLEPDEEDDEDEEGPWGGWGAAGARGPARGGRTPKCTVLLSLIQRNRRRLRAK

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GLTYLTVGFHVFQIPEELLGLWDSRSHALLPRLLRADRSPLSARRDVTRRCCLRPG
 HYLVVPSTAHAGDEADFTLRVFSERRHTAVEIDVISADLQSLQGPYLPLELGLEQLF
 QELAGEEEEEELNASQLQALLSIALEPARAHTSTPREIGLRTCEQLLQCFGHGQSLALH
 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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