

Recombinant Human CAPN2 Protein, GST-Tagged

Cat. No. CAPN2-0363H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CAPN2 full-length ORF (AAH21303.1, 1 a.a. - 700 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]</p>
Molecular Mass	106.4 kDa
AA Sequence	<p>MAGIAAKLAKDREAAEGLGSHERAIKYLNQDYEARNECLEAGTLFQDPSFPAIP SALGFKELGPYSSKTRGIEWKRPTEICADPQFIIGGATRTRDQCQALGDCWLLAAIASLTL NEEILARVVPLNQSFFQENYAGIFHFQFWQYGEWVEVVDDRLPTKDGELLFVHSAE GSEFWSALLEKAYAKINGCYEALSGGATTEGFEDFTGGIAEWYELKKPPPNLFKIIQK ALQKGSLLGCSIDITSAADSEAITFQKLVKGHAYSVTGAEVEVESNGSLQKLIRIRNPW GEVEWTGRWVNDNCPSWNTIDPEERERLRRRHEDGEFWMSFSDFLRHYSRLEICNL</p>

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

TPDTLTSDTYKKWKLTKMDGNWRRGSTAGGCRNYPNTFWMNPQYLIKLEEEDEDE
 EDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELSGQTNIHLSKNFFLT
 NRARERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGDGFCIRVFSEKKADYQAVD
 DEIEANLEEFDISEDIDDGFRRLFAQLAGEDAEISAFELQILRRVLAKRQDIKSDGF
 SIETCKIMVDMLDSDGSGKLGLKEFYILWTKIQKYQKIYREIDVDRSGTMNSYEMRKA
 LEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCLVRLETFLFKIFKQLDPENTGTIEL
 DLISWLCFSVL

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 CAPN2 calpain 2, (m/II) large subunit [Homo sapiens]

Official Symbol CAPN2

Synonyms CAPN2; calpain 2, (m/II) large subunit; calpain-2 catalytic subunit; CANPL2; CANPml; mCANP; CANP 2; M-calpain; calpain M-type; millimolar-calpain; calpain-2 large subunit; calpain 2, large subunit; calpain large polypeptide L2; calpain, large polypeptide L2; calpain 2, large [catalytic] subunit; calcium-activated neutral proteinase 2; CANP2; FLJ39928;

Gene ID 824

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mRNA Refseq	NM_001146068
Protein Refseq	NP_001139540
MIM	114230
UniProt ID	P17655

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