

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	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]
Molecular Mass	106.4 kDa
AA Sequence	MAGIAAKLAKDREAAEGLGSHERAIKYLNQDYEARNECLEAGTLFQDPSFPAIPSAL GFKELGPYSSKTRGIEWKRPTEICADPQFIIGGATRTRDICQGALGDCWLLAAIASLTL NEEILARVVPLNQSFQENYAGIFHFQFWQYGEWVEVVDDRLPTKDGELLFVHSAE GSEFWSALLEKAYAKINGCYEALSGGATTEGFEDFTGGIAEWYELKKPPPNLFKIIQK ALQKGSLLGCSIDITSAADSEAITFQKLVKGHAYSVTGAEVEVESNGSLQKLIRIRNPW GEVEWTGRWNDNCPSWNTIDPEERERLTRRHEDGEFWMSFSDFLRHYSRLEICNL

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TPDTLTSDTYKKWKLTKMDGNWRRGSTAGGCRNYPNTFWMNPQYLIKLEEEDEDE
 EDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELSGQTNIHLSKNFFLT
 NRARERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGDGFCIRVFSEKKADYQAVD
 DEIEANLEEFDISEDDIDDGFRRLFAQLAGEDAEISAFELQTILRRVLAKRQDIKSDGF
 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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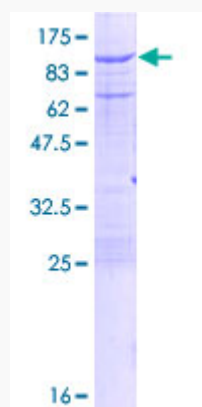
mRNA Refseq [NM_001146068](#)

Protein Refseq [NP_001139540](#)

MIM [114230](#)

UniProt ID [P17655](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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