

## Recombinant Human CAPN2 protein, His-tagged

Cat. No. CAPN2-122H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CAPN2 protein(20-700 aa), fused with N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	20-700 aa
<b>Tag</b>	N-His
<b>Form</b>	Liquid in sterile PBS, pH7.4, 10% Glycerol, 5% Trehalose.
<b>Molecular Mass</b>	The protein has a calculated MW of 82 kDa.
<b>Endotoxin</b>	< 1.0EU per 1µg (determined by the LAL method).
<b>Purity</b>	> 80% as determined by SDS-PAGE.
<b>Storage</b>	Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	1.0 mg/ml.
<b>Reconstitution</b>	Centrifuge the vial at 4°C before opening to recover the entire contents.

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**AA Sequence**

MGSSHHHHHHHHSSGLVPRGSHMASMTGGQQMGRGSSHDRAIKYLNQDYEAL  
RNECLEAGTLFQDPSFPAIPSA LGFKELGPYSSKTRGIEWKRPTEICADPQFIIGGAT  
RTDICQGALGDCWLLAAIASLTLNEEILARVVPLNQSFQENYAGIFHFQFWQYGEWV  
EVVVDDRLPTKDGELLFVHSAEGSEFWSALLEKAYAKINGCYEALSGGATTEGFEDF  
TGGIAEWYELKKPPP NLFKIIQKALQKGSLLGCSIDITSAADSEAITFQKLVKGHAYSV  
TGAAEVESNGSLQKLIRIRNPWGEVEWTGRWVNDNCPSWNTIDPEERERLRRHED  
GEFWMFSDFLRHYSRLEICNLTPDTLTSDTYKKWKLTKMDGNWRRGSTAGGCRN  
YPNTFWMNPQYLIKLEEEDEDEEDGESGCTFLVGLIQKRRRQRKMGEDMHTIGFG  
IYEVPEELSGQTNIHLSKNFFLTNRARERSDTFINLREVLNRFKLPPGEYILVPSTFEP  
NKDGDFCIRVFSEKKADYQAVDDEIEANLEEFDISEDDIDDGFRRLFAQLAGEDAEIS  
AFELQTLRRVLAKRQDIKSDGFSIETCKIMVDMLDSDGSGKLGLKEFYILWTKIQKYQ  
KIYREIDVDRSGTMNSYEMRKALEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCL  
VRLETLFKIFKQLDPENTGTIELDLISWLCFSVL

**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](#)

**mRNA Refseq** [NM\\_001146068](#)

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**Protein Refseq** NP\_001139540

**MIM** 114230

**UniProt ID** P17655

**SDS-PAGE**



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