

Recombinant Human CAPN2 protein, His-tagged

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

SPECIFICATION

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

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AA Sequence

MGSSHHHHHHHHSSGLVPRGSHMASMTGGQQMGRGSSHDRAIKYLNQDYREAL
 RNECLEAGTLFQDPSFPAIPSA LGFKELGPYSSKTRGIEWKRPTEICADPQFIIGGAT
 RTDICQGALGDCWLLAAIASLT LNEEILARVVPLNQSFQENYAGIFHFQFWQYGEWV
 EVVVDDRLPTKDGELLFVHSAEGSEFWSALLEKAYAKINGCYEALSGGATTEGFEDF
 TGGIAEWYELKKPPPNLFKIIQKALQKGSLLGCSIDITSAADSEAITFQKLVKGHAYSV
 TGAEEVESNGSLQKLIRIRNPWGEVEWTGRWNDNCPSWNTIDPEERERLTRRHED
 GEFWMSFSDFLRHYSRLEICNLTPDTLTSDTYKKWKLTKMDGNWRRGSTAGGCRN
 YPNTFWMNPQYLIKLEEEDEDEEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFG
 IYEVPEELSGQTNIHLSKNFFLTNRARERSDTFINLREVLNRFKLPPGEYILVPSTFEP
 NKDGDFCIRVFSEKKADYQAVDDEIEANLEEFDISEDDIDDGFRRLFAQLAGEDAEIS
 AFELQTILRRVLAKRQDIKSDGFSIETCKIMVDM L DSDGSGKLGLKEFYILWTKIQKYQ
 KIYREIDVDRSGTMNSYEMRKALEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCL
 VRLET LFKIFKQLDPENTGTIELDLISWLCFSVL

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

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