

Recombinant Human CAPN1 protein, His-tagged

Cat. No. CAPN1-2629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAPN1 protein(P07384)(1-714aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-714aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	85.9 kDa
AA Sequence	MSEIITPVYCTGVSAQVQKQRARELGLGRHENAICYLGQDYEQLRVRCLQSGTLFR DEAFPPVPQSLGYKDLGPNSSKTYGIKWKRPTLLSNPQFIVDGATRTRDQCQALGD CWLLAAIASLTLLNDTLLHRVPHGQSFQNGYAGIFHFQLWQFGWEVDVVDDLLPIK DGKLVFVHSAEGNEFWSALLEKAYAKVNGSYEALSGGSTSEGFEDFTGGVTEWYE LRKAPSDLYQIILKALERGSLGCSIDISSVLDMEAITFKKLKVGHAYSVTGAKQVNYR GQVVSILMRNPWGGEVEWTGAWSDDSSSEWNNVDPYERDQLRVKMEDGEFWMSF RDFMREFTRLEICNLTPDALKSRTIRKWNTTLYEGTWRRGSTAGGCRNYPATFWVN PQFKIRLDETDDPDDYGDRESGCSFVLALMQKHRRRERRFRGRDMETIGFAVYEVPP ELVGQPAVHLKRDFFLANASRARSEQFINLREVSTRFRLPPGEYVVVPSTFEPNKEG

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DFVLRFFSEKSAGTVELDDQIQANLPDEQVLSEEEIDENFKALFRQLAGEDMEISVKE
LRTILNRIISKHKDLRTKGFSLESCRSVMNLMDRDGNGKLGLEFVNILWNRIRNYLSIF
RKFDLDKSGSMSAYEMRMAIESAGFKLNKKLYELIITRYSEPD LAVDFDNFVCCLVRL
ETMFRFFKTLDTDLGVTDFDLFKWLQLTMFA

Purity Greater than 90% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name CAPN1 calpain 1, (mu/I) large subunit [Homo sapiens]

Official Symbol CAPN1

Synonyms CAPN1; calpain 1, (mu/I) large subunit; calpain-1 catalytic subunit; CANP; CANPL1; muCANP; muCL; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein; CANP1;

Gene ID 823

mRNA Refseq NM_001198868

Protein Refseq NP_001185797

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MIM	114220
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UniProt ID	P07384
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