

Recombinant Human CAPN2 Protein

Catalog #	Source	Reactivity	Applications
CRP1173	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human CAPN2 Protein is produced by our E.coli expression system and the target gene encoding Met1-Leu700 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µM filtered solution of PBS, 50% Glycerol, 2mM DTT, pH 7.4.

Gene Symbol CAPN2

Alternative Names CANPL2; Calpain-2 catalytic subunit; Calcium-activated neutral proteinase 2; CANP 2; Calpain M-type; Calpain large polypeptide L2; Calpain-2 large subunit; Millimolar-calpain; M-calpain

Entrez Gene 824 (Human)

SwissProt P17655 (Human)

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Chemical Structure MAGIAAKLAK DREA A EGLS HERAIKYLNQ DYEALRNECL EAGTLFQDPS FPAIPSALGF
 KELGPYSSKT RGI EWKR PTE ICADPQFIIG GATRTDICQG ALGDCWLLAA IASLT LNEEI
 LARVVPLNQS FQENYAGIFH FQFWQYGEWV EVVVDDRLPT KDGELLFVHS AEGSEFW S A L
 LEKAYAKING CYEALSGGAT TEGFEDFTGG IAEWYELKKP PPNLFKIIQK ALQKGSLLGC
 SIDITSAADS EAITFQKLVK GHAYSVTGAE EVESNGSLQK LIRIRNPWGE VEWTGRWNDN
 CPSWNTIDPE ERERLTRRHE DGEFWMSFSD FLRHYSRLEI CNLTPDTLTS DTYKKWKLTK
 MDGNWRRGST AGGCRNYPNT FWMNPQYLIK LEEDEDEED GESGCTFLVG
 LIQKHRRRQR KMGEDMHTIG FGIYEVPEEL SGQTNIHLSK NFFLTNRARE RSDTFINLRE
 VLNRFLKPPG EYILVPSTFE PNKDGDFCIR VFSEKKADYQ AVDDEIEANL EEFDISEDDI
 DDGFRR LFAQ LAGEDAEISA FELQ TILRRV LAKRQDIKSD GFSIETCKIM VDMLDSDGSG

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

KLGLKEFYIL WTKIQKYQKI YREIDVDRSG TMNSYEMRKA LEEAGFKMPC QLHQVIVARF
ADDQLIIDFD NFVRCLVRLE TLFKIFKQLD PENTGTIELD LISWLCFSVL VEHHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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