

## 32-8205: Recombinant Human Calpain-2 Catalytic Subunit/CAPN2 (C-6His)(Discontinued)

**Gene :** CAPN2  
**Gene ID :** 824  
**Uniprot ID :** P17655

### Description

Source: E. coli.  
MW :81kD.

Recombinant Human CAPN2 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. Calpain-2 Catalytic Subunit (CAPN2) is an intracellular cysteine protease. It contains 1 calpain catalytic domain and 3 EF-hand domains. CAPN2 is a member of the peptidase C2 family of intracellular Ca<sup>2+</sup>-regulated cysteine proteases. These ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits (CAPN2) associated with a common small, regulatory subunit (CAPNS1). CAPN2 is activated by 200-1000 micromolar concentrations of calcium and inhibited by calpastatin. CAPN2 is calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,2mM DTT,50% Glycerol,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MAGIAAKLAKDREAAEGLGSHERAIKYLNQDYEALRNECLEAGTLFQDPSFPAIPSA LGFKELGPYSSKTRGIEW  
KRPTICADPQFIIGGATRTDICQALGDCWLLAAIASLTLNEEILARVVPLNQSFQENYAGIFHFQFWQYGEWV  
E V V V D D R L P T K D G E L L F V H S A E G S E F W S A L L E K A Y A K I N G C Y E A L S G G A T T E G F E D F T G G I A E W Y E L K K P P P N L  
F K I I Q K A L Q K G S L L G C S I D I T S A A D S E A I T F Q K L V K G H A Y S V T G A E E V E S N G S L Q K L I R N P W G E V E W T G R W N D  
N C P S W N T I D P E E R E R L T R R H E D G E F W M S F S D F L R H Y S R L E I C N L T P D T L T S D T Y K K W K L T K M D G N W R R G S T A  
G G C R N Y P N T F W M N P Q Y L I K L E E E D E D E D G E S G C T F L V G L I Q K H R R R Q R K M G E D M H T I G F G I Y E V P E E L S G Q T  
N I H L S K N F F L T N R A R E R S D T F I N L R E V L N R F K L P P G E Y I L V P S T F E P N K D G D F C I R V F S E K K A D Y Q A V D D E I E A N L E  
E F D I S E D D I D D G F R R L F A Q L A G E D A E I S A F E L Q T I L R R V L A K R Q D I K S D G F S I E T C K I M V D M L D S D G S G K L G L K E F  
Y I L W T K I Q Y Q K I Y R E I D V D R S G T M N S Y E M R K A L E E A G F K M P C Q L H Q V I V A R F A D D Q L I D F D N F V R C L V R L E T L F  
K I F K Q L D P E N T G T I E L D L I S W L C F S V L V E H H H H H H

### Application Note

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