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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 (CANP2) is an intracellular cysteine protease. It contains 1 calpain catalytic domain and 3 EF-hand domains. CANP2 is a member of the peptidase C2 family of intracellular Ca2+-regulated cysteine proteases. These ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits (CANP2) associated with a common small, regulatory subunit (CAPNS1). CANP2 is activated by 200-1000 micromolar concentrations of calcium and inhibited by calpastatin. CANP2 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 : MAGIAAKLAKDREAAEGLGSHERAIKYLNQDYEALRNECLEAGTLFQDPSFPAIPSALGFKELGPYSSKTRGIEW
KRPTEICADPQFIIGGATRTDICQGALGDCWLLAAIASLTLNEEILARVVPLNQSFQENYAGIFHFQFWQYGEWV
EVVVDDRLPTKDGELLFVHSAEGSEFWSALLEKAYAKINGCYEALSGGATTEGFEDFTGGIAEWYELKKPPPNL
FKIIQKALQKGSLLGCSIDITSAADSEAITFQKLVKGHAYSVTGAEEVESNGSLQKLIRIRNPWGEVEWTGRWND
NCPSWNTIDPEERERLTRRHEDGEFWMSFSDFLRHYSRLEICNLTPDTLTSDTYKKWKLTKMDGNWRRGSTA
GGCRNYPNTFWMNPQYLIKLEEEDEDEEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELSGQT
NIHLSKNFFLTNRARERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGDFCIRVFSEKKADYQAVDDEIEANLE
EFDISEDDIDDGFRRLFAQLAGEDAEISAFELQTILRRVLAKRQDIKSDGFSIETCKIMVDMLDSDGSGKLGLKEF
YILWTKIQKYQKIYREIDVDRSGTMNSYEMRKALEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCLVRLETLF
KIFKQLDPENTGTIELDLISWLCFSVLVEHHHHHH

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.