

Recombinant Human Calpain-1 catalytic subunit(CAPN1)

Catalog No: #AP70112

Package Size: #AP70112-1 20ug #AP70112-2 100ug #AP70112-3 1mg

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Description

Product Name	Recombinant Human Calpain-1 catalytic subunit(CAPN1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-714aaSequence Info:Full Length
Other Names	Calcium-activated neutral proteinase 1 ;CANP 1Calpain mu-typeCalpain-1 large subunit;Cell proliferation-inducing gene 30 protein;Micromolar-calpain ;muCANP
Accession No.	P07384
Calculated MW	85.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSEIITPVYCTGVSAQVQKQRARELGLGRHENAICYLGQDYEQLRVRCLQSGTLFRDEAFPPVPQSLGYKDL GPNSSKTYGIKWKRPTELLSNPQFIVDGATRTDICQGALGDCWLLAAIASLTINDTLHVRVPHGQSFQNGYA GIFHFQLWQFGEWVDVVDDLLPIKDGKLVFVHSAEGNEFWSSALLEKAYAKVNGSYEALSGGSTSEGFEDFT GGVTEWYELRKAPSDLYQIILKALERGSLGCSIDISSVLDMEAITFKKLVKGHAYSVTGAKQVNYRGQVVSLIR MRNPWGEVEWTGAWSDDSSSEWNNVDPYERDQLRVKMEDGEFWMSFRDFMREFTRLEICNLTPDALKSRTI RKWNTTLYEGTWRRGSTAGGCRNYPATFWVNPQFKIRLDETDDPDDYGDRESGCSFVLALMQKHRRRERR FGRDMETIGFAVYEVPELVGQPAVHLKRDFFLANASRRSEQFINLREVSTRFRLPPGEYVVVPSTFEPNKE GDFVLRFFSEKSAGTVELDDQIQANLPDEQVLSEEEIDENFKALFRQLAGEDMEISVKELRTLNRISKHKDLRT KGFSLESCRSVMNLMRDGNGKLGLEFNLWNRIRNYLSIFRKFDLDKSGSMSAYEMRMAIESAGFKLNKKL YELIITRYSEPD LAVDFDNFVCCLVRL ETMFRFFKTLDTDL DG VVTFDL FKW LQ LTMFA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)Research Topic:Cell Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.