

Recombinant Human Calpain-2 catalytic subunit(CAPN2)

Catalog No: #AP70114

Package Size: #AP70114-1 20ug #AP70114-2 100ug #AP70114-3 1mg

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Description

Product Name	Recombinant Human Calpain-2 catalytic subunit(CAPN2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-700aaSequence Info:Full Length
Other Names	Calcium-activated neutral proteinase 2 ;CANP 2;Calpain M-typeCalpain large polypeptide L2;Calpain-2 large subunitMillimolar-calpain ;M-calpain
Accession No.	P17655
Calculated MW	82.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SHDRAIKYLNQDYEARNECLEAGTLFQDPSFPAIPALGFKELGPYSSKTRGIEWKRPTEICADPQFIIGGATR TDICQGALGDCWLLAAIASLTLNNEILARVPLNQSFQENYAGIFHFQFWQYGEWVEVVDDRLPTKDGELLF VHSAEGSEFWSALEKAYAKINGCYEALSGGATTEGFEDFTGGIAEWYELKKPPNLFKIIQKALQKGSLLGCS IDITSAADSEAITFQKLVKGHAYSVTGAAEVESNGSLQKLIRINPWGEVETGRWVNDNCPSWNTIDPEERER LTRRHEDGEFWMSFSDFLRHYSRLEICNLTPDILTSDTYKKWKLTMDGNWRRGSTAGGCRNYPNTFWMN PQYLIKLEEEDEDEEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELSGQTNIHLSKNFFLTNRA RERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGDGFCIRVFSEKKADYQAVDDEIEANLEEFDISEDDIDDG FRRLFAQLAGEDAEISAFELQTLRRVLAKRQDIKSDGFSIETCKIMVDMMLSDSGSKLGLKEFYILWTIKIQKYQ KIYREIDVDRSGTMNSYEMRKALEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCLVRLETFLKIFKQLDPEN TGTELDLISWLCFSVL
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. Proteolytically cleaves MYOC at 'Arg-226'.

References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuegger T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) Research Topic:Cancer

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