

Recombinant Pig Calpain-2 catalytic subunit(CAPN2)

Catalog No: #AP70115

Package Size: #AP70115-1 20ug #AP70115-2 100ug #AP70115-3 1mg

Description

Product Name	Recombinant Pig Calpain-2 catalytic subunit(CAPN2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-324aaSequence Info:Full Length
Other Names	Calcium-activated neutral proteinase 2 ;CANP 2;Calpain M-type;Calpain-2 large subunit;Millimolar-calpain ;M-calpain
Accession No.	P43367
Calculated MW	53.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	YPNTFWMNPQYLIKLEEEDEDQEDGESGCTFLVGLIQKHRRRQRKMGEDMHTIGFGIYEVPEELTGQTNIHLS KNFFLTHRARERSDTFINLREVLNRFKLPPGEYILVPSTFEPNKDGDGFCIRVFSEKKADYQVVDDEIEADLEEND ASEDDIDDGFRRLFAQLAGEDAEISAFELQTLRRVLAKRQDIKSDGFSIETCRIMVDMMLSDGSAKLGLKEFYIL WTKIQKYQKIYREIDVDRSGTMNSYEMRKALEEAGFKLPCQLHQVIVARFADDQLIIDFDNFVRCLVRLETLFRI SKQLDSENTGTIELDLISWLCFSVL
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

Hypoxia-specific upregulation of calpain activity and gene expression in pulmonary artery endothelial cells.Zhang J.L., Patel J.M., Block E.R.Am. J. Physiol. 275:L461-L468(1998) Research Topic:Others

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