

Recombinant Human Caspase-1(CASP1),partial

Catalog No: #AP76563



Package Size: #AP76563-1 20ug #AP76563-2 100ug #AP76563-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Caspase-1(CASP1),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:120-269aaSequence Info:Partial
Other Names	Interleukin-1 beta convertase ;IL-1BCInterleukin-1 beta-converting enzyme ;ICE ;IL-1 beta-converting enzyme p45
Accession No.	P29466
Uniprot	P29466
GeneID	834;
Calculated MW	43.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	NPAMPTSSGSEGNVKLCSLEEAQRIWKQKSAEIYPIMDKSSRTRLALICNEEFDSIPRRTGAEVDITGMTMLLQ NLGYSVDVKKNLTASDMTTELEAFHRPEHKTS DSTFLVFM SHGIREGICGKKHSEQVPDILQLNAIFNMLNTK N
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

Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Can also promote apoptosis.

References

A novel heterodimeric cysteine protease is required for interleukin-1 beta processing in monocytes.Thornberry N.A., Bull H.G., Calaycay J.R., Chapman K.T., Howard A.D., Kostura M.J., Miller D.K., Molineaux S.M., Weidner J.R., Aunins J., Elliston K.O., Ayala J.M., Casano F.J., Chin J., Ding G.J.-F., Egger L.A., Gaffney E.P., Limjuco G. , Palyha O.C., Raju M., Rolando A.M., Salley J.P., Yamin T.-T., Lee T.D., Shively J.E., McCross M., Mumford R.A., Schmidt J.A., Tocci M.J.Nature 356:768-774(1992)Research Topic:Apoptosis

Note: This product is for in vitro research use only