

Recombinant Human Mitogen-activated protein kinase 6(MAPK6)

Catalog No: #AP70528

Package Size: #AP70528-1 20ug #AP70528-2 100ug #AP70528-3 1mg



Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Mitogen-activated protein kinase 6(MAPK6)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-721aaSequence Info:Full Length
Other Names	Extracellular domain signal-regulated kinase 3 ;ERK-3MAP kinase isoform p97 ;p97-MAPK
Accession No.	Q16659
Calculated MW	98.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MAEKFESLMNIHGFDLGSRYMDLKLPGCGGNLGVFSAVDNDCKRVAIKKIVLTDPQSVKHALREIKIIRRLDH DNIVKVFEILGPSGSQLTDDVGSLELNSVYIVQEYMETDLANVLEQGPLEEHARLFMYQLLRGLKYIHSANVL HRDLKPANLFINTEDLVLKIGDFGLARIMDPHYSHKGHLSEGLVTKWYRSPRLLSPNNYTKAIDMWAAGCIFA EMLTGKTLFAGAHELEQMQLILESIPVVEEDRQELLVIPVYIRNDMTEPHKPLTQLLPGISREALDFLEQILTF SPMDRLTAEELSHPYMSISFPMDEPISSHPFHIEDEVDDILLMDETHSHIYNWERYHDCQFSEHDWPVHNN FDIDEVQLDPRALSDVTDEEEVQVDPRKYLDGDREKYLEDPAFDTNYSTEPWCWQYSDHHENKYCDLECSHTC NYKTRSSSYLDNLVWRESEVNHYEYEPKLIIDLSNWKEQSKEKSDKKGKSKCERNGLVKAQIALEEASQQLAGK EREKNQGFDFDSFIAGTIQLSSQHEPTDVVDKLNLDNSSVSQLELKSLSKSVSQEKQEKGMANLAQLEALYQ SSWDSQFVSGGEDCFFINQFCEVRKDEQVEKENTYTSYLDKFFSRKEDTEMLETEPVEDGKLGERGHEEGFL NNSGEFLFNKQLESIGIPQFHSPVGSPLKSIQATLTSPAMKSSPQIPHQTYSSILKHLN
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

Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3,MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3,MAPK6. May promote entry in the cell cycle .

References

Identification and proteomic analysis of distinct UBE3A,E6AP protein complexes.Martinez-Noel G., Galligan J.T., Sowa M.E., Arndt V., Overton T.M., Harper J.W., Howley P.M.Mol. Cell. Biol. 32:3095-3106(2012) Research Topic:Signal Transduction

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