



Recombinant Human Mitogen-activated protein kinase 6 (MAPK6)

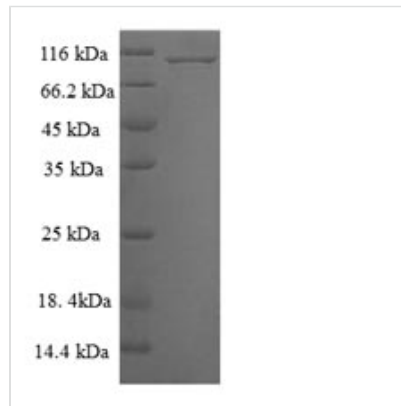
Product Code	CSB-EP013458HU
Relevance	Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, 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 .
Abbreviation	Recombinant Human MAPK6 protein
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.
Uniprot No.	Q16659
Alias	Extracellular domain signal-regulated kinase 3 ;ERK-3MAP kinase isoform p97 ;p97-MAPK
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MAEKFESLMNIHGFDLGSRYMDLKPLGCGGNGLVFSAVDNDCKRVAIKKIVL TDPQSVKHALREIKIIRRLDHDNIVKVFEILGPSGSQLTDDVGSLTELNSVYIVQE YMETDLANVLEQQPLLEE HARLFMYQLLRGLKYIHSANVLHRDLK PANLFINTE DLVLKIGDFGLARIMDPHYSHKGLHSEGLVTKWYRSPRLLLSPNNYTKAIDMW AAGCIFAEMLTGKTLFAGAHELEQMQLILESIPVVHEEDRQELLSVIPVYIRNDM TEPHKPLTQLLPGISREALDFLEQILTFSPMDRLTAAEALSHPYMSIYSFPMDEP ISSHPFHIEDEVDDILLMDETHSHIYNWERYHDCQFSEHDWPVHNNFDIDEVQL DPRALSDVTDEEEVQVDPRKYLDGDREKYLEDPAFDTNYSTEPCWQYSDHH ENKYCDLECSHTCNYKTRSSSYLDNLVWRESEVNHYEYEPKLIIDLSNWKEQSK EKSDKKGKSKCERNGLVKAQIALEEASQQLAGKEREKNQGFD FDSFIAGTIQL SSQHEPTDVVDKLN DLN SSVS QLEL KSLSKSVS QEKQEKGMANLAQLEALYQ SSWDSQFVSGGEDCFFINQFCEVRKDEQVEKENTYTSYLDKFFSRKEDTEML ETEPVEDGKLG ERGHEEGFLNNSGEFLFNKQLESIGIPQFHSPVGSPLKSIQAT LTPSAMKSSPQIPHQTYSSILKHLN
Research Area	Signal Transduction
Source	E.coli
Target Names	MAPK6
Protein Names	Recommended name: Mitogen-activated protein kinase 6 Short name= MAP kinase 6 Short name= MAPK 6 EC= 2.7.11.24 Alternative name(s): Extracellular



signal-regulated kinase 3 Short name= ERK-3 MAP kinase isoform p97

Expression Region	1-721aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	98.7kDa
Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life 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.