

Recombinant Human MAPK6 Protein (1-721 aa), His-SUMO-tagged

Cat. No. MAPK6-644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK6 Protein (1-721 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-721 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	98.7 kDa
AA Sequence	MAEKFESLMNIHGFDLGSRYMDLKPLGCGGNGLVFSAVDNDCKRVAIKKIVLTDPQ SVKHALREIKIIRRLDHDNIVKVFEILGPSGSQLTDDVGSLTELNSVYIVQEYMETDLA NVLEQGPLL EEHARLFMYQLLRGLKYIHSANVLHRDLKPANLFINTEDLVLKIGDFGL

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ARIMDPHYSHKGLHSEGLVTKWYRSPRLLSPNNYTKAIDMWAAGCIFAEMLTGKTL
 FAGAHELEQMQILLESIPVVHEEDRQELLSVIPVYIRNDMTEPHKPLTQLLPGISREAL
 DFLEQILTFSPMDRLTAEELSHPYMSIYSFPMDEPISSHPPHIEDEVDDILLMDETHS
 HIYNWERYHDCQFSEHDWPVHNNFDIDEVQLDPRALSDVTDEEEVQVDPRKYLDG
 DREKYLEDPAFDTNYSTEPWCQYSDHHENKYCDLECSHTCNYKTRSSSYLDNLVW
 RESEVNHYEYEPKLIIDLSNWKEQSKEKSDKKGKSKCERNGLVKAQIALEEASQQLAG
 KEREKNQGFDFDSFIAGTIQLSSQHEPTDVVDKLNLDNSSVSQLELKSLISKSVSQEK
 QEKGMANLAQLEALYQSSWDSQFVSGGEDCFFINQFCEVRKDEQVEKENTYTSYL
 DKFFSRKEDTEMLETEPVEDGKLGERGHEEGFLNNSGEFLFNKQLESIGIPQFHSPV
 GSPLKSIQATLTPSAMKSSPQIPHQTYSSILKHLN

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name MAPK6 mitogen-activated protein kinase 6 [Homo sapiens]

Official Symbol MAPK6

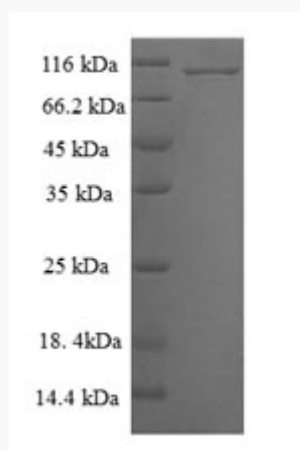
Synonyms MAPK6; PRKM6; ERK3; HsT17250; p97MAPK; ERK-3; MAPK 6; p97-MAPK; MAP kinase 6; DKFZp686F03189;

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Gene ID	5597
mRNA Refseq	NM_002748
Protein Refseq	NP_002739
MIM	602904
UniProt ID	Q16659



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

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