

Recombinant Human MAPK6 Protein (Met1-Met316), His tagged

Cat. No. MAPK6-4992H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MAPK6 (Met1-Met316) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Met316
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 (By similarity) .
Form	Lyophilized powder/frozen liquid
Molecular Mass	35.36 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	MAPK6 mitogen-activated protein kinase 6 [Homo sapiens (human)]
Official Symbol	MAPK6
Synonyms	MAPK6; mitogen-activated protein kinase 6; PRKM6; ERK3; HsT17250; p97MAPK; ERK-3; MAPK 6; p97-MAPK; MAP kinase 6; MAP kinase isoform p97; protein kinase, mitogen-activated 5; protein kinase, mitogen-activated 6; extracellular signal-regulated kinase 3; extracellular signal-regulated kinase, p97; DKFZp686F03189;
Gene ID	5597
mRNA Refseq	NM_002748
Protein Refseq	NP_002739
MIM	602904
UniProt ID	Q16659

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