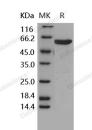
## Recombinant Human MKK6 Protein (His & GST Tag)

Catalog Number: PKSH030415



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	MAPKK6;MEK6;MKK6;PRKMK6;SAPKK-3;SAPKK3;MAP2K6
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Met 1-Asp 334
Accession	P52564-1
Calculated Molecular Weight	65.3 kDa
Observed molecular weight	60 kDa
Tag	N-His-GST
Properties	
Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
Storage	Store at $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at $< -20^{\circ}$ C.
Formulation	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 8.0
Reconstitution	Not Applicable
Data	



> 80 % as determined by reducing SDS-PAGE.

## **Background**

Dual specificity mitogen-activated protein kinase kinase 6; also known as MAP kinase kinase 6; MAPKK 6; MAPK / ERK kinase 6; SAPKK3; MAP2K6 and MKK6; is a protein which belongs to the?protein kinase superfamily; STE Ser / Thr protein kinase family and MAP kinase kinase subfamily. MAP2K6 / MKK6 contains one?protein kinase domain. Mitogen-activated protein kinases are members of a conserved cascade of kinases involved in many signal transduction pathways. They stimulate phosphorylation of transcription factors in response to extracellular signals such as growth factors; cytokines; ultraviolet light; and stress-inducing agents. MAP2K6 / MKK6 exists in a variety of alternatively spliced isoforms with distinct patterns of tissue expression. Isoform 2 of MAP2K6 / MKK6 is only expressed in skeletal muscle. Isoform 1 of MAP2K6 / MKK6 is expressed in skeletal muscle; heart; and in lesser extent in liver or pancreas.

## For Research Use Only

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