

# Recombinant Human MKK6 Protein (His & GST Tag)

Catalog Number:PKSH030415



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

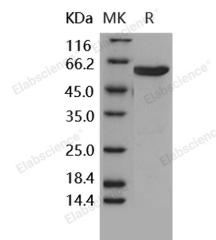
## Description

<b>Synonyms</b>	MAPKK6;MEK6;MKK6;PRKMK6;SAPKK-3;SAPKK3;MAP2K6
<b>Species</b>	Human
<b>Expression Host</b>	Baculovirus-Insect Cells
<b>Sequence</b>	Met 1-Asp 334
<b>Accession</b>	P52564-1
<b>Calculated Molecular Weight</b>	65.3 kDa
<b>Observed molecular weight</b>	60 kDa
<b>Tag</b>	N-His-GST

## Properties

<b>Purity</b>	> 80 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 8.0
<b>Reconstitution</b>	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 / 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.

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