

Datasheet for ABIN2725454

MAPKAP Kinase 3 Protein (Myc-DYKDDDDK Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	20 µg
Target:	MAPKAP Kinase 3 (MAPKAPK3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MAPKAP Kinase 3 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Functional Studies (Func), Antibody Production (AbP), Protein Interaction (PI), Standard (STD)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	<ul style="list-style-type: none">• Recombinant human MAPKAP Kinase-3 protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone• Tested for bioactivity.
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Biological Activity Comment:	MAPKAPK3 activity verified in a biochemical assay; MAPKAPK3 activity verified in a biochemical assay:

Target Details

Target:	MAPKAP Kinase 3 (MAPKAPK3)
Alternative Name:	Mapkap Kinase-3 (MAPKAPK3 Products)

Target Details

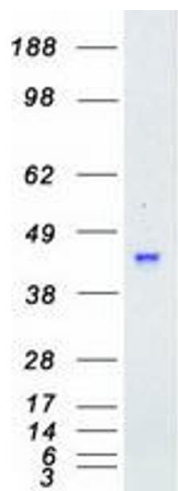
Background:	<p>This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein.</p>
Molecular Weight:	42.8 kDa
NCBI Accession:	NP_004626
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	<p>Recombinant human proteins can be used for:</p> <ul style="list-style-type: none">Native antigens for optimized antibody productionPositive controls in ELISA and other antibody assaysProtein-protein interactionIn vitro biochemical assays and cell-based functional assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

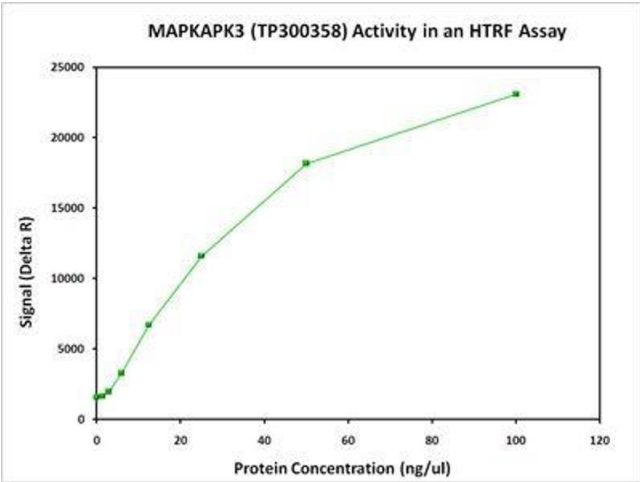
Handling

Concentration:	> 50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot



Activity Assay

Image 2. Bioactivity measured with Activity Assay