

Recombinant Human TAB1 Protein, MYC/DDK-tagged

Cat. No. TAB1-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human mitogen-activated protein kinase kinase kinase 7 interacting protein 1 (MAP3K7IP1), transcript variant alpha with C-MYC/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Molecular Mass	54.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 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	Store at –80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	TAB1 TGF-beta activated kinase 1 (MAP3K7) binding protein 1 [Homo sapiens (human)]
Official Symbol	TAB1
Synonyms	TAB1; TGF-beta activated kinase 1 (MAP3K7) binding protein 1; 3'-Tab1; MAP3K7IP1; TGF-beta-activated kinase 1 and MAP3K7-binding protein 1; TAK1-binding protein 1; mitogen-activated protein kinase kinase kinase 7-interacting protein 1; transforming growth factor beta-activated kinase-binding protein 1
Gene ID	10454
mRNA Refseq	NM_006116
Protein Refseq	NP_006107
MIM	602615
UniProt ID	Q15750

 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