

## Product datasheet for **TP308522**

### **TAB1 (NM\_006116) Human Recombinant Protein**

#### **Product data:**

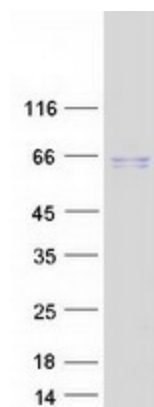
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human mitogen-activated protein kinase kinase kinase 7 interacting protein 1 (MAP3K7IP1), transcript variant alpha, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC208522 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAAQRRSLLQSEQQPSWTDDLPLCHLSGVGSASNRSYSADGKGTESHPEDSWLKFRSENNCFLYGVFNG YDGNRVTNFVAQRLSAELLGQLNAEHAADVRRVLLQAFDVVERSFLSIDDALAEKASLQSQLPEGVP QHQLPPQYQKILERLKTLEISGGAMAVVAVLLNNKLYVANVGTNRALLCKSTVDGLQVTQLNVDHTTE NEDELFRLSQLGLDAGKIKQVGIICGQESTRRIGDYKVYGYTDIDLLSAKSKPIIAEPEIHGAQPLDG VTGFLVLMSEGLYKALEAAHGPGQANQEIAAMIDTEFAKQTSLEDAVAQAVVDRVKRIHSDFASGGERAR FCPRHEDMTLLVRNFGYPLGEMSQPTSPAPAAAGGRVYPVSVPYSSAQSTSKTSVTLSLVMP SQGQMVNG AHSASTLDEATPTLTNQSPTLTLQSTNTHQTSSSSSSDGGLFRSRPAHSLPPGEDGRVEPYVDFAEFYRL WSVDHGEQSVTAP</p> <p><b>TR</b>TRPLE<b>QKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	54.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006107</a>
<b>Locus ID:</b>	10454
<b>UniProt ID:</b>	<a href="#">Q15750</a>
<b>RefSeq Size:</b>	3240
<b>Cytogenetics:</b>	22q13.1
<b>RefSeq ORF:</b>	1512
<b>Synonyms:</b>	3'-Tab1; MAP3K7IP1
<b>Summary:</b>	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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	MAPK signaling pathway, NOD-like receptor signaling pathway, Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified TAB1 protein (Cat# TP308522). The protein was produced from HEK293T cells transfected with TAB1 cDNA clone (Cat# [RC208522]) using MegaTran 2.0 (Cat# [TT210002]).