Recombinant Human TAB1 protein, T7/His-tagged

Cat. No. TAB1-157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TAB1 cDNA (504aa, Isoform-I, which derived from BC050554) protein fused with T7-His-TEV cleavage site Tag (29aa)at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	504 a.a.
Form	0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFAAQRRSLLQSEQQPSWTDDLPLCH LSGVGSASNRSYSADGKGTESH PPEDSWLKFRSENNCFLYGVFNGYDGNRVTNF VAQRLSAELLLGQLNAEHAEADVRRVLLQAFDVVERSFLESID DALAEKASLQSQLP EGVPQHQLPPQYQKILERLKTLEREISGGAMAVVAVLLNNKLYVANVGTNRALLCKS TVDG LQVTQLNVDHTTENEDELFRLSQLGLDAGKIKQVGIICGQESTRRIGDYKVKY GYTDIDLLSAAKSKPIIAEPEI HGAQPLDGVTGFLVLMSEGLYKALEAAHGPGQANQ EIAAMIDTEFAKQTSLDAVAQAVVDRVKRIHSDTFASGGE RARFCPRHEDMTLLVRN FGYPLGEMSQPTPSPAPAAGGRVYPVSVPYSSAQSTSKTSVTLSLVMPSQGQMVN GAH SASTLDEATPTLTNQSPTLTLQSTNTHTQSSSSSSDGGLFRSRPAHSLPPGED GRVEPYVDFAEFYRLWSVDHGE QSVVTAP
Purity	>90% by SDS-PAGE

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Applications	1. May be used as TAB1 protein-protein interaction assay.2. As specific substrate protein for kinasw and ubiquitin (Sumo pathway) related enzyme functional screening assays.3. Potential biomarker protein for various cancer diagnoses.4. As antigen for specific antibody production.
Storage	Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

GENE INFORMATION

Gene Name	TAB1 TGF-beta activated kinase 1/MAP3K7 binding protein 1 [Homo sapiens]
Official Symbol	TAB1
Synonyms	TAB1; TAK1 binding protein 1; TAK1-binding protein 1; 3-Tab1; MAP3K7IP1; MGC57664;
Gene ID	10454
mRNA Refseq	NM_006116
Protein Refseq	NP_006107
MIM	602615
UniProt ID	Q15750
Chromosome Location	22q13.1
Pathway	Activated TLR4 signalling, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Herpes simplex infection, organism-

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	specific biosystem; Herpes simplex infection, conserved biosystem; IL1-mediated signaling events, organism-specific biosystem; IRAK2 mediated activation of TAK1 complex, organism-specific biosystem; IRAK2 mediated activation of TAK1 complex upon TLR7/8 or 9 stimulation, organism-specific biosystem;
Function	catalytic activity; enzyme activator activity; kinase activator activity; protein binding;

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