

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
Protein Length	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	MASMTGGGQMGRGHHHHHHGNLYFQGGEFAAQRRSLLQSEQQPSWTDDLPLCH LSGVGSASNRSYSADGKGTESH PPEDSWLKFRSENNCFLYGVFNQYDGNRVTNF VAQRLSAELLGQLNAEHAADVRRVLLQAFDVVERSFLSID DALAEKASLQSQLP EGVPQHQLPPQYQKILERLKTLEISGGAMAVVAVLLNNKLYVANVGTRALLCKS TVDG LQVTQLNVDHTTENEDELFRLSQLGLDAGKIKQVGIICGQESTRRIGDYKVKY GYTDIDLLSAAKSKPIIAEPEI HGAQPLDGVGTGLVLMSEGLYKALEAAHGPQGQANQ EIAAMIDTEFAKQTS LDAVAQAVVDRVKRIHS DTFASGGE RARFCPRHEDMTLLVRN FGYPLGEMSQPTPSPAPAAGGRVYPVSVPYSSAQSTSKTSVTLSLVMP SQGQMVN GAH SASTLDEATPTLTNQSP TLTQSTNHTQSSSSSSDGG LFRSRPAHSLPPGED 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 kinase 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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