

## TAB2 Protein, Human, Recombinant (His &amp; Myc)

## General Information

Synonyms:	Mitogen-activated protein kinase kinase kinase 7-interacting protein 2;TGF-beta-activated kinase 1-binding protein 2;TGF-beta-activated kinase 1 and MAP3K7-binding protein 2; MAP3K7IP2;KIAA0733;TAK1-binding protein 2 (TAB-2);TAB2
Protein Construction:	401-693 aa
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	Q9NYJ8
Molecular Weight:	37.1 kDa (predicted)
AA Sequence:	MRNQPTLFISTNSGASASRNMSGQVSMGPAFIHHPPKSRRAIGNNSATSPRVVVTQPNTKYTFKITVSPNK PPAVSPGVVSPTFELTNLLNHPDHYVETENIQHLTDPTLAHVDRISETRKLMSGDDAAYTQALLVHQKARME RLQRELEIQKKLDKLDKSEVNEMENLRRRLKRSNSISQIPSLEEMQQLRSCNRQLQIDIDCLTKEIDLFQARG PHFNPSAIHNFYDNIGFVGPVPPKPKDQRSIIKTPKTQDTEDEGAQWNCTACTFLNHPALIRCEQCEMPRHF

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Adapter required to activate the JNK and NF-kappa-B signaling pathways through the specific recognition of 'Lys-63'-linked polyubiquitin chains by its RanBP2-type zinc finger (NZF). Acts as an adapter linking MAP3K7/TAK1 and

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TRAF6 to 'Lys-63'-linked polyubiquitin chains. The RanBP2-type zinc finger (NZF) specifically recognizes Lys-63'-linked polyubiquitin chains unanchored or anchored to the substrate proteins such as RIPK1/RIP1: this acts as a scaffold to organize a large signaling complex to promote autophosphorylation of MAP3K7/TAK1, and subsequent activation of I-kappa-B-kinase (IKK) core complex by MAP3K7/TAK1. Regulates the IL1-mediated translocation of NCOR1 out of the nucleus. Involved in heart development.

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