

Product datasheet

Recombinant Human TAZ protein ab153252

1 Image

Overview

Product name	Recombinant Human TAZ protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human

Sequence	<p>MNPASAPPPLPPPQQVIHVTQDLDTLEALFNSVMN PKPSSWRKKILPE SFFKEPDSGSHSRQSSTDSSGGHPGPRLAGGAQHVR SHSSPASLQLGTGA GAAGSPAQQHAHLRQQSYDVTDELPLPPGWEMTFTA TGQRYFLNHIEKIT TWQDPRKAMNQPLNHMNLHPAVSSTPVPQRSMASVS QPNLVMNHQHQQQMA PSTLSQQNHPTQNPPAGLMSMPNALTTQQQQQKLR LQRIQMERERIRMR QEELMRQEAALCRQLPMEAETLAPVQAAVNPPPTMTP DMR SITNNSSDPFL NGGPYHSREQSTDSGLGLGCYSVPTTPEDFLSNVDE MDTGENAGQTPMNI NPQQTRFPDFLDCLPGTNVDLGTLESEDLIPLFNDVES ALNKSEPFLTWL</p>
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Amino acids	1 to 400
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab153252** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
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	ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

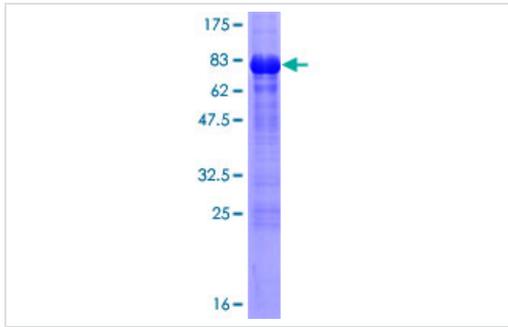
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Transcriptional coactivator which acts as a downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation. Regulates the nuclear accumulation of SMADS and has a key role in coupling them to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.
Tissue specificity	Highly expressed in kidney, heart, placenta and lung. Expressed in the thyroid tissue.
Sequence similarities	Contains 1 WW domain.
Domain	The PDZ-binding motif is essential for stimulated gene transcription. It localizes the protein into both punctate nuclear foci and plasma membrane-associated complexes. Binds to transcription factors via its WW domain.
Post-translational modifications	Phosphorylated by LATS2 and STK3/MST2. Phosphorylation by LATS2 results in creation of 14-3-3 binding sites, retention in the cytoplasm, and functional inactivation. Phosphorylation results in the inhibition of transcriptional coactivation through YWHAZ-mediated nuclear export.
Cellular localization	Nucleus. Cytoplasm. Concentrates along specific portions of the plasma membrane, and accumulates in punctate nuclear bodies. When phosphorylated, is retained in cytoplasm by YWHAZ. Can be retained in the nucleus by MED15.

Images



ab153252 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human TAZ protein
(ab153252)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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