

## Product datasheet for **TP305482M**

### AJUBA (NM\_032876) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human jub, ajuba homolog (Xenopus laevis) (JUB), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205482 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERLGKASRLLEKFGRRKGESSRSGSDGTPGPGKGRSLGLGGPRKSGPRGATGGPGDEPLEPAREQGS  
DAERNQRGSFEAPRYEGSFPAGPPPTRALPLPQSLPDPFRLEPTAPALSPRSSFASSASDASKPSSPRG  
SLLLDGAGAGGAGGSRPCSNRTSGISMGYDQRHGSPLPAGPCLFGPPLAGAPAGYSPGGVPSAYPELHAA  
LDRLYAQRPAFGCQESRHSYPPALGSPGALAGAGVGAAGPLERRGAQPGRHSVTGYGDCAVGARYQDEL  
TALLRLTVGTGGREAGARGEPSGIEPSGLEPPGPFVPEAARARMREPEAREDYFGTCIKCNKGIYGQSN  
ACQALDSLYHTQCFVCCSCGRTLRCFAFYSVNGSVYCEEDYLFSGFQEAEEKCCVCGHLILEKILQAMGK  
SYHPGCFRCIVCNKCLDGIPFTVDFSNQVYCVTDYHKNYAPKCAACGQPILPSEGCEDIVRVISMDRDIYH  
FECYHCEDCRMQLSDEEGCCCCPLDGHLLCHGCHMQRNLNARQPPANYI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

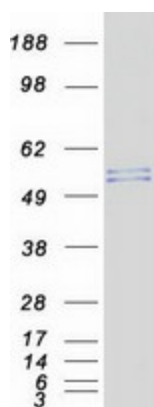
Tag:	C-Myc/DDK
Predicted MW:	56.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	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_116265</a>
<b>Locus ID:</b>	84962
<b>UniProt ID:</b>	<a href="#">Q96IF1</a>
<b>RefSeq Size:</b>	4262
<b>Cytogenetics:</b>	14q11.2
<b>RefSeq ORF:</b>	1614
<b>Synonyms:</b>	JUB
<b>Summary:</b>	Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, mitosis, cell-cell adhesion, cell differentiation, proliferation and migration. Contributes to the linking and/or strengthening of epithelia cell-cell junctions in part by linking adhesive receptors to the actin cytoskeleton. May be involved in signal transduction from cell adhesion sites to the nucleus. Plays an important role in regulation of the kinase activity of AURKA for mitotic commitment. Also a component of the IL-1 signaling pathway modulating IL-1-induced NFKB1 activation by influencing the assembly and activity of the PRKCZ-SQSTM1-TRAF6 multiprotein signaling complex. Functions as an HDAC-dependent corepressor for a subset of GFI1 target genes. Acts as a transcriptional corepressor for SNAI1 and SNAI2/SLUG-dependent repression of E-cadherin transcription. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Positively regulates microRNA (miRNA)-mediated gene silencing. Negatively regulates the Hippo signaling pathway and antagonizes phosphorylation of YAP1. [UniProtKB/Swiss-Prot Function]

## Product images:



Coomassie blue staining of purified AJUBA protein (Cat# [TP305482]). The protein was produced from HEK293T cells transfected with AJUBA cDNA clone (Cat# [RC205482]) using MegaTran 2.0 (Cat# [TT210002]).