

Product datasheet for PH305482

AJUBA (NM_032876) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	JUB MS Standard C13 and N15-labeled recombinant protein (NP_116265)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205482
Predicted MW:	56.9 kDa
Protein Sequence:	>RC205482 protein sequence Red=Cloning site Green=Tags(s)

MERLGEKASRLLEKFRRKGESSRSKSDGTGPGKGRSLGSGPRKSGPRGATGGPGDEPLEPAREQGS
DAERNQRGSFEAPRYEGSFPAGPPTRALPLPQSLPPDFRLEPTAPALSPRSSFASSASDASKPSSPRG
SLLLDGAGAGGAGSRPCSNRTSGISMGYDQRHGSPLPAGPCLFGPPLAGAPAGYSPGGVPSAYPELHAA
LDRLYAQRPAFGCQESRHSYPPALGSPGALAGAGVGAAGPLERRGAQPGRHSVTGYGDCAVGARYQDEL
TALLRLTVGTGGREAGARGEPGIEPSGLEEPPGPFVPEAARARMREPEAREDYFGTCIKCNKGIYQSN
ACQALDSL YHTQCFVCCSGRTL RCKAFYSVNGSVYCEEDYLFSGFQEA AEKCCVCGHLILEKILQAMGK
SYHPGCFRCIVCNKCLDGIPFTVDFSNQVYCVTDYHKNYAPKCAACGQPILPSEGCEDIVRVISMDRDYH
FECYHCEDCRMQLSDEEGCCCFPLDGHLLCHGCHMQRLNARQPPANYI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_116265</u>
RefSeq Size:	4262
RefSeq ORF:	1614

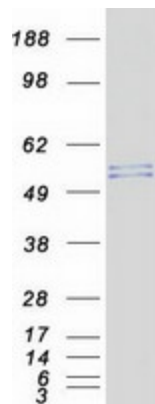


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Synonyms: JUB
Locus ID: 84962
UniProt ID: [Q96IF1](#)
Cytogenetics: 14q11.2

Summary: 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 GF11 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]).