

## Product datasheet for **TP508706**

### Ajuba (NM\_010590) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ajuba LIM protein (Ajuba), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208706 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERLGEKASRLLEKLRLSDSGSAKFGRRKGEASRSGSDGTPGAGKGRLSGLGGPRKSGHRGANGGPGDEP  
LEPAREQGPLDAERNARGSFQAQRFEFSFPGGPPTRALPLPLSSPPDFRLETTAPALSPRSSFASSAS  
DASKPSSPRGSLLLDGAGASGAGSRPCSNRSGISMGYDQRHGSLPAGPCLFGLPLTTAPAGYPGGAP  
SAYPELHAALDRLCAHRVGFQESRHSYPPALGSPGALTGAVVGTAGPLERRGAQPGRHSVTGYGDCA  
AGARYQDEL TALLRLTVATGGREAGARGEPGIEPSGLEESPGPFVPEASRSRIPEAREDYFGTCIKC  
NKGIYQSNACQALDSLYHTQCFVCCSCGRTL RCKAFYSVNGSVYCEEDYLFSGFQEA AEKCCVCGHIL  
EKILQAMGKSYHPGCFRCIVCNKCLDGVPTVDFSNQVYCVTDYHKNYAPKCAACGQPILPSEGCEDIVR  
VISMDRDYHFECYHCEDCRMQLSDEEGCCCFPLDGHLLCHGCHMQRLSARQPSTNYI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	57.9 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_034720</a>



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Locus ID: 16475

UniProt ID: [Q91XC0](#)

RefSeq Size: 3503

Cytogenetics: 14 C2

RefSeq ORF: 1644

Synonyms: Jub

**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 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]