

## Product datasheet for TP514067

### Aunip (NM\_001081099) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse aurora kinase A and ninein interacting protein (Aunip), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>&gt;MR214067 representing NM_001081099</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MRHRGPEEEEACGVWLDAAALKRRKMQTHLIKLGTKMLPLLGERKPNDPFTQRRGTRQTSIASFVTLQSG            MASGGNQKNIFSLKENQTNKECKRTQLDCLDDGLLSPLVTSAPADIQEAGHPRSPQISGCQGLEMSSLM            MSLTQPDVLMGTGESKGPLDSSFSQYLERSCLLDQREAKRKGEGLRESKTDPCPGMGSHIRPPGSKCHQPL            DKAEMGKRGPTKENRQAPVHLQTYRSGSCSRKKTLLVTESPCPLSLFPWDSERSDRDSWSQLFTEDSQGQ            QVIAHNTKMPFRDVTNARNQSGSQFPDSPAQQGQDGPAAQLHLQSYLLFTQDSEGNRVIRH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	37.7 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:	<u>NP_001074568</u>
Locus ID:	69885


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UniProt ID: [E9Q6Z5](#)

RefSeq Size: 1270

Cytogenetics: 4 D3

RefSeq ORF: 1020

Synonyms: 2610002D18Rik; Clhc1

**Summary:** DNA-binding protein that accumulates at DNA double-strand breaks (DSBs) following DNA damage and promotes DNA resection and homologous recombination. Serves as a sensor of DNA damage: binds DNA with a strong preference for DNA substrates that mimic structures generated at stalled replication forks, and anchors RBBP8/CtIP to DSB sites to promote DNA end resection and ensuing homologous recombination repair. Inhibits non-homologous end joining (NHEJ). Required for the dynamic movement of AURKA at the centrosomes and spindle apparatus during the cell cycle.[UniProtKB/Swiss-Prot Function]