

## Product datasheet for TP506705

### Rcc1 (NM\_133878) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse regulator of chromosome condensation 1 (Rcc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206705 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MPPKRIAKRRSPPEDAIPKSKKVKVSHRSHNTEPGLVLTLGQGDVGLGLGESVLERKKPALVPLLQDWW QAEAGGMHTVCLSQSGQVYVYFGCNDEGALGRDTSVEGSEMVPKVELQEKKVQVSAGDSHTAALTEDGRV FLWGSFRDNNGVIGLLEPMKSMVPVQVQLDAPVVKVASGNDHLVMLTNDGDLYTLGCGEQQLGRVPEL FANRGGRRQLGRLLVPRCVLLKSRGTRGRVRFQDAFCGAYFTFAISREGHVYGFGLSNYHQLGTPGTGSC FIPQNLTSFKNSTKSWVGFSGGQHHTVCM DSEGKAYSLGRAEYGRGLGEGAEKSIPTLISRLPVSSV ACGASVGYAVSKDGRVFAWGMGTNYQLGTGQDEDAWSPVEMTGKQLENRVVLTVSSGGQHTVLLVKDQAQ S  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	44.9 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_598639</a>
Locus ID:	100088



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UniProt ID: [Q8VE37](#), [Q3U6D2](#)

RefSeq Size: 2293

Cytogenetics: 4 D2.3

RefSeq ORF: 1266

Synonyms: 4931417M11Rik; A1326872; Chc1

**Summary:** Guanine-nucleotide releasing factor that promotes the exchange of Ran-bound GDP by GTP, and thereby plays an important role in RAN-mediated functions in nuclear import and mitosis. Contributes to the generation of high levels of chromosome-associated, GTP-bound RAN, which is important for mitotic spindle assembly and normal progress through mitosis. Via its role in maintaining high levels of GTP-bound RAN in the nucleus, contributes to the release of cargo proteins from importins after nuclear import. Involved in the regulation of onset of chromosome condensation in the S phase. Binds both to the nucleosomes and double-stranded DNA. [UniProtKB/Swiss-Prot Function]