

## Product datasheet for **TP508085**

### Cdk5rap3 (NM\_030248) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse CDK5 regulatory subunit associated protein 3 (Cdk5rap3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR208085 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MQDHQHVPIDIQTSKLLDWLVDRRHCNLKWQSLVLTIREKINTAIQDMPESQEIAQLLSGSYIHVFHCLR  
IVDLLKGTEASTKNIFGRYSSQRMKDWQEIVSLYEKDNNTYLVELCSLLVRNVSYEIPSLKKQIAKCQQLQ  
QEYSRKEEEGQAGAAEMREQFYHSCQYGITGDNVRRELLALVKDLPSQLAEIGAGAQSLGEAIDLQYQAC  
VEFVCDSPTEQVLPMLRYVQKKGSTVYEWRTGTEPSVVERPQLEEPPEQVQEDEIDWGDGFGVEAVSDSG  
IVAETPGIDWGISLESEAKDAGADKIDWGDDAAAASEITVLETGTEAPEGVARGSDALTLLEYPETRNQF  
IDELMELEIFLSQRAVEMSEEADILSVSQFQLAPAILQGQTKEKMLSLVSTLQQLIGRLTSLRMQHLFMI  
LASPRYVDRVTEFLQQLKQSQLLALKKELMVEKQQEALQEQAALPKLDLLEKTRELQKLIADISKR  
YSGRPVNLMTSL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 57 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:** [NP\\_084524](#)



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<b>Locus ID:</b>	80280
<b>UniProt ID:</b>	<a href="#">Q99LM2</a>
<b>RefSeq Size:</b>	1892
<b>Cytogenetics:</b>	11 D
<b>RefSeq ORF:</b>	1512
<b>Synonyms:</b>	1810007E24Rik; BC002318; C53; C81486; HSF-27; IC53; LZAP; MST016
<b>Summary:</b>	Probable tumor suppressor initially identified as a CDK5R1 interactor controlling cell proliferation. Negatively regulates NF-kappa-B-mediated gene transcription through the control of RELA phosphorylation. Also regulates mitotic G2/M transition checkpoint and mitotic G2 DNA damage checkpoint. Through its interaction with CDKN2A/ARF and MDM2 may induce MDM2-dependent p53/TP53 ubiquitination, stabilization and activation in the nucleus, thereby promoting G1 cell cycle arrest and inhibition of cell proliferation. May play a role in the unfolded protein response, mediating the ufmylation of multiple proteins in response to endoplasmic reticulum stress. May also play a role in the rupture of the nuclear envelope during apoptosis. May regulate MAPK14 activity by regulating its dephosphorylation by PPM1D/WIP1.[UniProtKB/Swiss-Prot Function]