

## Product datasheet for TP501721

### Rangrf (NM\_021329) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAN guanine nucleotide release factor (Rangrf), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201721 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MEPNRNCPLFGGAFSAILPTGAIDVSDLRPVPDNQEVFCHPVTQSLIELLELQAHVQGEEAARYHFED VGRVQGARAVHVLVSQPLCLENLSLRGCCQDAWSLSGKQQVAKENQQVAKDVTLHQALLRLPQYQTDL LL TFNQPPCHSRSLGPENLSCPPWSLSNFEQLVTSLSLHDPNLFGPQ  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	20.9 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_067304</a>
Locus ID:	57785
UniProt ID:	<a href="#">Q9JIB0</a>
RefSeq Size:	845


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Cytogenetics:	11 B3
RefSeq ORF:	555
Synonyms:	2400006H24Rik; Mog1; Rangnrf
Summary:	May regulate the intracellular trafficking of RAN (PubMed:10811801, PubMed:11733047). Promotes guanine nucleotide release from RAN and inhibits binding of new GTP by preventing the binding of the RAN guanine nucleotide exchange factor RCC1 (PubMed:10811801, PubMed:11733047). Regulates the levels of GTP-bound RAN in the nucleus, and thereby plays a role in the regulation of RAN-dependent mitotic spindle dynamics (By similarity). Enhances the expression of SCN5A at the cell membrane in cardiomyocytes (PubMed:18184654, PubMed:23420830).[UniProtKB/Swiss-Prot Function]