

## Product datasheet for TP508964

### Nprl3 (NM\_181569) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nitrogen permease regulator-like 3 (Nprl3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208964 representing NM_181569 Red=Cloning site Green=Tags(s)

MGDNTSPISVILVSSGSRGNKLLFRYPFQRSQEHASQTNKPRSRVAVNNTGEHADDQDGDSRFSVDILA  
TILATKSEMCGQKFELKIDNVRVFGHPTLLQHALGQVSKTDPSPKREAPTMILFNVVFALRANADPSVIN  
CLHNLSRRIATVLQHEERRCQYLTREAKLILALQDEVSAMADANEGPQSPFQHILPKCKLARDLKEAYDS  
LCTSGVWRLHINSWLEVSFCLPHKIHYAASSLIPPEAIERSLKAIRPYHALLLSDEKSLSELPIDCSP  
ALVRVIKTTSAVKNLQQLAQDADLALLQVFQLAAHLVYWGKAVIYPLCENNVIYVMSPNASVCLYSPLAE  
QFSRQFPSHDLPSVLAKFSLPVSLSEFRSPLAPPAQETQLIQMWWMLQRRLLIQLHTYVCLMASPSEEE  
PRLREDDVPFTARVGGRLSTPNALSFGSPTSSDDMTLTSPSMDNSSAELLPSGDSPLNKRMTENLLASL  
SEHERAAILNVPAAQNPEDLRMFARLLHYFRGRHHLEEIMYNENTRRSQLLMLFDKFRSVLWVTTHEDPV  
IAVFQALLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	63.6 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.



[View online »](#)

RefSeq: [NP\\_853547](#)

Locus ID: 17168

UniProt ID: [Q8VIJ8](#)

RefSeq Size: 2865

Cytogenetics: 11 18.83 cM

RefSeq ORF: 1707

Synonyms: Aag; CGTHBA; HS-26; HS-40; m(alpha)RE; Mare; Phg; Prox1

**Summary:** As a component of the GATOR1 complex functions as an inhibitor of the amino acid-sensing branch of the TORC1 pathway. The GATOR1 complex strongly increases GTP hydrolysis by RRAGA and RRAGB within RRAGC-containing heterodimers, thereby deactivating RRAGs, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling. The GATOR1 complex is negatively regulated by GATOR2 the other GATOR subcomplex in this amino acid-sensing branch of the TORC1 pathway.[UniProtKB/Swiss-Prot Function]