

## Product datasheet for **TP507453**

### Nup50 (NM\_016714) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nucleoporin 50 (Nup50), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207453 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAKRVAEKELTDRNWDEEDEVEEMGTFSVASEEVMKNRAVKKAKRRNVGFESDSGGAFKGFKGLVWPSGG  
GGFSGFGSGGKPLEGLTNGNSTDNATPFSNVKTA AEPKAAFSGFAVNGPTTLVDKISSPKCNSNQPP  
SSGPASSTACPGNAYHKQLAGLNCSVRDWIVKHVNTNPLCDLTPIFKDYERYLATIEKQLENGGGSSSES  
QTDRTAGMEPPSLFGSTKLQEQSPFSFHGNKAEDTSEKVEFTA EKKSDAAQGATSASFSGKKESSAL  
GSLSSGSLTGFSFSAGSSSLFGKDAQAASSLFSKASESPAGGGSSECRDGEENDEPPKVVTEV  
KEEDAFYSKKCKLFYKKDNEFKEKGVGTLHLKPTATQKTQLLVRADTNLGNILLNLIAPNMPCTRTGKN  
NVLIVCVPNPPLDEKQPTLPATMLIRVKTSEDADLHKILLEKKDA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	49.5 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_057923</a>
Locus ID:	18141



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<b>UniProt ID:</b>	<u>Q9JIH2</u>
<b>RefSeq Size:</b>	4766
<b>Cytogenetics:</b>	15 40.25 cM
<b>RefSeq ORF:</b>	1401
<b>Synonyms:</b>	1700030K07Rik; AI413123; Npap60
<b>Summary:</b>	Component of the nuclear pore complex that has a direct role in nuclear protein import (PubMed:10811608). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:16222336). Interacts with regulatory proteins of cell cycle progression including CDKN1B (PubMed:10891500, PubMed:10811608). This interaction is required for correct intracellular transport and degradation of CDKN1B (PubMed:10811608).[UniProtKB/Swiss-Prot Function]