

## Product datasheet for TP505182

### Slc25a33 (NM\_027460) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 25, member 33 (Slc25a33), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205182 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATGTQQKENTLLHLFAGGCGGTVGAIFTCPLEVIKTRLQSSRLALRTVYYPQVHLGTISGAGMVRPTSV  
TPGLLQVLKSILEKEGPKSLFRGLGPNLVGVAPSRVYFACYSKAKEQFNGVFPNSNTVHLSAGSAAF  
VTNTLMNPIWMVKTRMQLERKVRGCKQMNTLQCARRVYQTEGVRGFYRGLTASYAGISETIICFAIYESL  
KKCLKDAPIVSSTDGAEKSSSGFFGLMAAAAVSKGCASCIAYPHEVIRTRLREEGSKYRSFVQTARLVFR  
EEGYLAFYRGLFAQLIRQIPNTAIVLSTYEFIVYLLGERA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	35 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_081736</a>
Locus ID:	70556
UniProt ID:	<a href="#">Q3TZX3</a>



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RefSeq Size: 1877

Cytogenetics: 4 E2

RefSeq ORF: 963

Synonyms: 5730438N18Rik; Pnc1

**Summary:** Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria. Transports preferentially uracil, thymine, and cytosine (deoxy)nucleoside di- and triphosphates by an antiport mechanism. Also transports guanine but not adenine (deoxy)nucleotides. Is inhibited strongly by pyridoxal 5'-phosphate, 4,7-diphenyl-1,10-phenanthroline, tannic acid, and mercurials (mercury dichloride, mersalyl acid, p-hydroxymercuribenzoate). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration (By similarity). Upon INS or IGF1 stimulation regulates cell growth and proliferation by controlling mitochondrial DNA replication and transcription, the ratio of mitochondria-to nuclear-encoded components of the electron transport chain resulting in control of mitochondrial ROS production (PubMed:17596519). Participates in dendritic cell endocytosis and may associate with mitochondrial oxidative phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]