

## Product datasheet for **TP524279**

### Tnfsf18 (NM\_183391) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tumor necrosis factor (ligand) superfamily, member 18 (Tnfsf18), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224279 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEEMPLRESSPQRAERCKKSWLLCIVALLLMLLCSLGTLIYTSLKPTAIESCMVKFELSSSKWHMTSPKP HCVNTTSDGKILQSGTYLIYGQVIPVDKKYIKDNAPFVWQIYKKNDVLQTLMNDFQILPIGGVYELHA GDNIYLFNSKDHIQKNNTYWGILMPDLPFIS
	<b>TR</b> TRPLE <b>Q</b> KLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	19.7 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_899247</a>
Locus ID:	240873
UniProt ID:	<a href="#">Q7TS55</a>
RefSeq Size:	2064
Cytogenetics:	1 69.75 cM



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RefSeq ORF: 522

Synonyms: Gitrl; Tnlg2a

**Summary:** Cytokine that binds to TNFRSF18/AITR/GITR (PubMed:14521928, PubMed:14647196). Regulates T-cell responses (PubMed:14647196). Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation (PubMed:14608036, PubMed:15128759). Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B (PubMed:14521928, PubMed:14647196, PubMed:18178614). Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1 (By similarity). Promotes leukocyte adhesion to endothelial cells (PubMed:23892569). Regulates migration of monocytes from the splenic reservoir to sites of inflammation (PubMed:24107315).[UniProtKB/Swiss-Prot Function]