

## Product datasheet for TP508959

### Ppp1r16b (NM\_001159662) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse protein phosphatase 1, regulatory subunit 16B (Ppp1r16b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR208959 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MASHVDLLTELQLLEKVPTLERLRAAQKRRRAQQLKKWAQYEQDLLHRKRKHERKRSTGGRRKKVSFEASV ALLEASLRNDAEEVRYFLKNKVSPDLCNEDGLTALHQCCIDNFEIIVKLLLSHGANVNADNELWTPPLHA AATCGHINLVKILVQYGADLLAVNSDGNMPYDLCEDEPTLDVIETCMAYQGITQEKINEMRAAPEQKMIS DIHCMIAAGQDLWDWIDGQATLLHIAGANGYLRAAELLLDHGVRVDVKDWDGWEPHAAAFWQMPMAEL LVSHGASLSARTSMDEMPIDLCEEEEFKVLLELKHKHDVIMKSQLRHKSSLSRRTSSAGSRGKVVRRAS LSDRTNLYRKEYEGEAILWQQRSAEDQRTSTYNGDIRETRTDQENKDPNPRLEKPVLLSEFSTKISRGE LDGPVENGLRAPVSTYQYALANGDIWKMHEMPDYSMAYGNPGVADVPPPWSGFKEQSPQTLLELKRQRAA AKLLSHPFLSTHLGSSVARSGESSEGKAPLIGGRTSPYSSNGTSVYYTVTSGDPPLLKFKAPMEEMEEK VHGCCRIS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	63.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<a href="#">NP_001153134</a>
Locus ID:	228852
UniProt ID:	<a href="#">Q8VHQ3</a> , <a href="#">Q544H9</a>
RefSeq Size:	6392
Cytogenetics:	2 H1
RefSeq ORF:	1707
Synonyms:	ANKRD4; C130078N17Rik; TIMAP; Wdt4
Summary:	<p>Regulator of protein phosphatase 1 (PP1) that acts as a positive regulator of pulmonary endothelial cell (EC) barrier function. Protects the endothelial barrier from lipopolysaccharide (LPS)-induced vascular leakage (PubMed:21907835). Involved in the regulation of the PI3K/AKT signaling pathway (By similarity). Involved in the regulation of angiogenesis and endothelial cell proliferation through the control of ECE1 dephosphorylation, trafficking and activity (By similarity). Involved in the regulation of endothelial cell filopodia extension (By similarity). May be a downstream target for TGF-beta1 signaling cascade in endothelial cells (By similarity). Involved in PKA-mediated moesin dephosphorylation which is important in EC barrier protection against thrombin stimulation. Promotes the interaction of PPP1CA with RPSA/LAMR1 and in turn facilitates the dephosphorylation of RPSA/LAMR1 (By similarity). Involved in the dephosphorylation of EEF1A1 (By similarity).[UniProtKB/Swiss-Prot Function]</p>