

## Product datasheet for **TP508633**

### Grb10 (NM\_001177629) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse growth factor receptor bound protein 10 (Grb10), 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>	>MR208633 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MNNDINSSVESLNSACNMQSDTDTAPLLEDGQHASNQGAASSSRGQPQASPRQKMQRSQPVHILRRLQEE  DQQLRTASLPAIPNPFELTGAAPGSPSPVAPSSLPPPPSQPPAKHDVKVFEEDGTSKVEILDTMTARD  LCQLLVYKSHCVDDNSWTLVEHHPQLGLERCLEDHEIVVQVESTMPSESKFLFRKNYAKYEFFKNPVNFF  PDQMVNWCQQSNGGQAQLLQNFLNTSSCEIQGFLQVKEVGRKSWKKLYVCLRRSGLYYSTKGTSTKEPRH  LQLLADLEESSIFYLIAGKKQYNAPNEHGMCIKPNKAKTEMKELRLLCAEDEQIRTCWMTAFRLLKYGML  LYQNYRIPQRKGLPPPFNAPMRSVSENSLVAMDFSGQIGRVIDNPAAEQSAALEEGHAWRKRSTRMNILS  SQSPLHPSTLNAVIHRTQHWFHGRISREESHRIKQQGLVDGLFLLRDSQSNPKAFVLTLCCHHQIKINFQ  ILPCEDDGQTFFTLDDGNTKFSDLIQLVDFYQLNKGVLPCCLKHHCIRVAL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	61.2 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.
<b>RefSeq:</b>	<u><a href="#">NP_001171100</a></u>



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Locus ID:	14783
UniProt ID:	<a href="#">Q60760</a>
RefSeq Size:	4764
Cytogenetics:	11 7.15 cM
RefSeq ORF:	1626
Synonyms:	5730571D09Rik; AI325020; Meg1; mKIAA0207
Summary:	<p>Adapter protein which modulates coupling of a number of cell surface receptor kinases with specific signaling pathways. Binds to, and suppress signals from, activated receptors tyrosine kinases, including the insulin (INSR) and insulin-like growth factor (IGF1R) receptors. The inhibitory effect can be achieved by 2 mechanisms: interference with the signaling pathway and increased receptor degradation. Delays and reduces AKT1 phosphorylation in response to insulin stimulation. Blocks association between INSR and IRS1 and IRS2 and prevents insulin-stimulated IRS1 and IRS2 tyrosine phosphorylation. Recruits NEDD4 to IGF1R, leading to IGF1R ubiquitination, increased internalization and degradation by both the proteasomal and lysosomal pathways. A similar role in the mediation of ubiquitination has also been suggested with INSR. Negatively regulates Wnt signaling by interacting with LRP6 intracellular portion and interfering with the binding of AXIN1 to LRP6. Positive regulator of the KDR/VEGFR-2 signaling pathway. May inhibit NEDD4-mediated degradation of KDR/VEGFR-2.[UniProtKB/Swiss-Prot Function]</p>