

## Product datasheet for **TP515881**

### **Pgam5 (NM\_001163538) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse phosphoglycerate mutase family member 5 (Pgam5), 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>	A DNA sequence from Mouse cDNA ORF Clone, MR215881, encoding Mouse full-length Pgam5.
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	32.4 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>	<a href="#">NP_001157010</a>
<b>Locus ID:</b>	72542
<b>UniProt ID:</b>	<a href="#">Q8BX10</a>
<b>RefSeq Size:</b>	2079
<b>Cytogenetics:</b>	5 F
<b>RefSeq ORF:</b>	861
<b>Synonyms:</b>	2610528A17Rik



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**Summary:**

Displays phosphatase activity for serine/threonine residues, and, dephosphorylates and activates MAP3K5 kinase. Has apparently no phosphoglycerate mutase activity. May be regulator of mitochondrial dynamics. Substrate for a KEAP1-dependent ubiquitin ligase complex. Contributes to the repression of NFE2L2-dependent gene expression (By similarity). Acts as a central mediator for programmed necrosis induced by TNF, by reactive oxygen species and by calcium ionophore.[UniProtKB/Swiss-Prot Function]