

Recombinant Mouse Pgam5 Protein, Myc/DDK-tagged

Cat. No. Pgam5-4817M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphoglycerate mutase family member 5 (Pgam5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Acts as a central mediator for programmed necrosis induced by TNF, by reactive oxygen species and by calcium ionophore.
Molecular Mass	32.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pgam5 phosphoglycerate mutase family member 5 [Mus musculus (house mouse)]

Official Symbol Pgam5

Synonyms Pgam5; phosphoglycerate mutase family member 5; 2610528A17Rik; serine/threonine-protein phosphatase PGAM5, mitochondrial; EC 3.1.3.16

Gene ID 72542

mRNA Refseq NM_001163538

Protein Refseq NP_001157010

UniProt ID Q8BX10

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