

Mouse PKM2 Protein

Cat. No. PKM-MB102

Description

Source	Recombinant Mouse PKM2 Protein is expressed from Baculovirus-Insect Cells with His tag at the N-terminus. It contains Pro2-Pro531.
Accession	NP_001240812.1
Molecular Weight	The protein has a predicted MW of 58.95 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

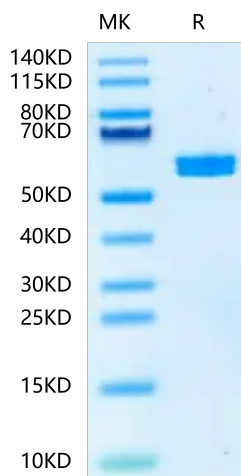
Formulation	Lyophilized from 0.22µm filtered solution in 20mM Tris, 500mM NaCl (pH 7.0). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Pyruvate kinase M2 (PKM2), a key rate-limiting enzyme of glycolysis, is a critical regulator in tumor metabolism. PKM2 has been demonstrated to overexpressed in various cancers and promoted proliferation and metastasis of tumor cells.

Assay Data

Tris-Bis PAGE



Mouse PKM2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.