

Recombinant Rat Pfkf protein, His & T7-tagged

Cat. No. Pfkf-8012R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pfkf aa. (Ala2~His390 (Accession # P30835)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala2~His390
Description	Catalyses the synthesis and degradation of Fru-2,6-P ₂ ; mediates switching mechanism in glycolysis/gluconeogenesis opposing fluxes.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

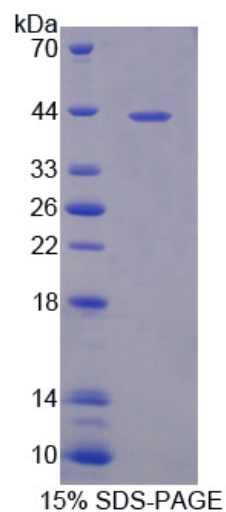
Gene Name	Pfkl phosphofructokinase, liver type [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pfkl
Synonyms	Pfkl; phosphofructokinase, liver type; PFK-L; ATP-PFK; ATP-dependent 6-phosphofructokinase, liver type; 6-phosphofructokinase type B; 6-phosphofructokinase, liver type; PFK-B; phosphofructo-1-kinase isozyme B; phosphofructokinase 1; phosphofructokinase, liver, B-type; phosphohexokinase
Gene ID	25741
mRNA Refseq	NM_013190.4
Protein Refseq	NP_037322.1
UniProt ID	P30835

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SDS-PAGE



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