

RPD405Hu01 50µg

Recombinant Phosphofructokinase, Muscle (PFKM)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[**PROPERTIES**]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Thr2-Val780

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 350µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.1

Predicted Molecular Mass: 88.8kDa

Accurate Molecular Mass: 90kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCE**]

THEEHHAKT	LGIGKIAVL	TSGGDAQGMN	AAVRAVVRVG	IFTGARVFFV	HEGYQGLVDG
GDHIKEATWE	SVSMMLQLGG	TVIGSARCKD	FREREGRLRA	AYNLVKGIT	NLCVIGGDGS
LTGADTFRSE	WSDLLSDLQK	AGKITDEEAT	KSSYLNIVGL	VGSIDNDFCG	TDMTIGTDSA
LHRIMEIVDA	ITTTAQSHQR	TFVLEVGRH	CGYLALVTSL	SCGADWVFIP	ECPPDDDWEE
HLCRRLSETR	TRGSRLNIII	VAEGAIDKNG	KPITSEDIKN	LVVKRLGYDT	RVTVLGHVQR
GGTPSAFDRI	LGSRMGVEAV	MALLEGTPDT	PACVVSLSGN	QAVRLPLMEC	VQVTKDVTKA
MDEKKFDEAL	KLRGRSFMNN	WEVYKLLAHV	RPPVSKSGSH	TVAVMNVGAP	AAGMNAAVRS
TVRIGLIQGN	RVLVVDGFE	GLAKGQIEEA	GWSYVGGWTG	QGGSKLGTKR	TLPKKSFEQI
SANITKFNIG	GLVIIGGFEA	YTGGLLEMEG	RKQFDELCIP	FVVIPATVSN	NVPGSDFSVG
ADTALNTICT	TCDRIKQSAA	GTKRRVFIIE	TMGGYCGYLA	TMAGLAAGAD	AAIFYEEPFT
IRDLQANVEH	LVQKMKTTVK	RGLVLRNEKC	NENYTTDFIF	NLYSEEGKGI	FDSRKNVLGH
MQQGGSPFP	DRNFATKMGA	KAMNWMGSKI	KESYRNGRIF	ANTPDSGCVL	GMRKRALVFQ
PVAELKDQTD	FEHRIPKEQW	WLKLRPILKI	LAKYEIDLDT	SDHAHLEHIT	RKRSGEAAV

[IDENTIFICATION]

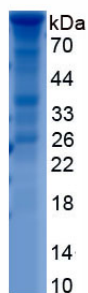


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.