

Recombinant Human PFKM protein ab95304

1 Image

Description

| | |
|-------------------|--|
| Product name | Recombinant Human PFKM protein |
| Purity | > 80 % SDS-PAGE. Purified using conventional chromatography techniques. |
| Expression system | Escherichia coli |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | <p>MGSSHHHHHH SSGLVPRGSH MTHEEHHAAK TLGIGKIAIV LTSGGDAQGM NAAVRVVVRV GIFTGARVFF VHEGYQGLVD GGDHIKEATW ESVSMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI TNLCVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVG LVGSIDNDFC GTDMTIGTDS ALHRIMEVD AITTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDDWE EHLCRRLSET RTRGSRLNII VAEGAIDKN GKPITSEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA VMALLEGTPD TPACVVSLSG NQAVRLPLME CVQVTKDVTK AMDEKKFDEA LKLRGRSFMN NWEVYKLLAH VRPPVSKSGS HTVAVMNVGA PAAGMNAAVR STVRIGLIQG NRVLVVHDGF EGLAKGQIEE AGWSYVGGWT GQGGSKLGTK RTLPKKSFEQ ISANITKFNI QGLVIIGGFE AYTGGLELME GRKQFDELCPFVVIPATVS NNVPGSDFSV GADTALNTIC TTCDRIKQSA AGTKRRVFII ETMGGYCGYL ATMAGLAAGA DAAYIFEEP TIRDLQANVE HLVQKMKTIV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVLG HMQQGGSPTP FDRNFATKMG AKAMNWMMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF QPVAELKDQT DFEHRIPKEQ WWLKLRPILK ILAKYEIDLD TSDHAHLEHI TRKRSGEAAV</p> |

Specifications

Our **Abpromise guarantee** covers the use of **ab95304** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|-------------------------|---|
| Applications | SDS-PAGE |
| Form | Liquid |
| Additional notes | This product was previously labelled as Fructose 6 Phosphate Kinase |

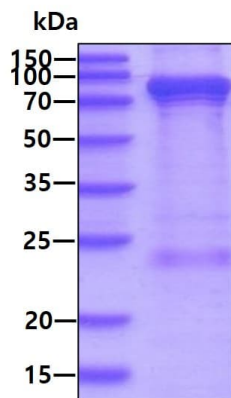
Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.077% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride |
|------------------------------|---|

General Info

| | |
|-------------------------------|---|
| Pathway | Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glyceraldehyde phosphate from D-glucose: step 3/4. |
| Involvement in disease | Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7) [MIM:232800]; also known as Tarui disease. GSD7 is an autosomal recessive disorder characterized by exercise intolerance with associated nausea and vomiting. Short bursts of intense activity are particularly difficult. Severe muscle cramps and myoglobinuria develop after vigorous exercise. Most patients obtain a "second wind" when the onset of exercise is followed by a brief rest period. In time patients adjust their activity level and are well compensated. |
| Sequence similarities | Belongs to the phosphofructokinase family. Two domains subfamily. |

Images



SDS-PAGE - Recombinant Human PFKM protein
(ab95304)

SDS-PAGE analysis of ab95304 (3 µg) under reducing conditions and visualized by coomassie blue stain.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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