Recombinant Human Pyruvate kinase PKM/PKM protein

Catalog No.: RP03215LQ

Sequence Information

Species
Human

Gene ID
5315

Swiss Prot
P14618

Tags
N-His

Synonyms
Pyruvate kinase PKM; CTHBP; OIP-3; THBP1

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
60.1 KDa

Observed MW
60 KDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 50mM NaCl, 0.05% Brij-35, 1mM DTT, pH7.5. Contact us for customized product form or formulation.

Reconstitution

Background

Pyruvate kinase isoform M2 (PKM2) is a member of the pyruvate kinase (PK) family, a pivotal glycolytic enzyme that is consistently changed during tumorigenesis. PKM2 is expressed in some differentiated tissues, such as lung, fat tissue, retina, and pancreatic islets. As the rate-controlling enzyme in glycolysis, PKM2, has also been found to be expressed in embryonic, proliferating, and tumor cells, and it has been considered to be crucial for the metabolism and growth of tumor cells. Recent studies have shown that PKM2 promotes cell proliferation and suppresses cell apoptosis in various tumors. In addition, it has been reported that the PKM2 knockdown affects the Akt and ERK protein kinases.

Basic Information

Description
Recombinant Human PKM2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser2-Pro531) of human PKM2 (Accession #NP_002645.3) fused with His tag at the N-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

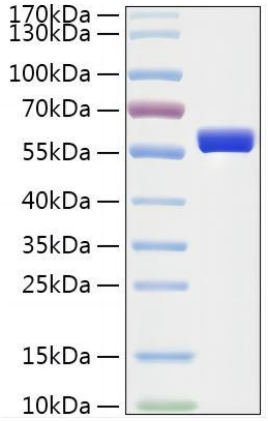
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human PKM2 protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.