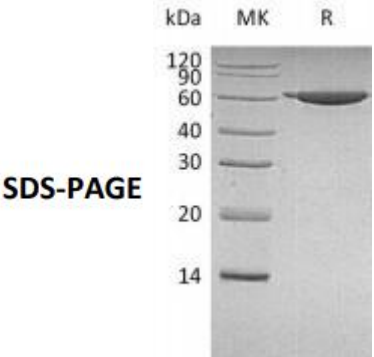


Recombinant Human PKM2

Catalog#:P00570 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Pyruvate Kinase Isoform M2 is produced by our <i>E.coli</i> expression system and the target gene encoding Ser2- Pro531 is expressed with a 6His tag at the N-terminus.</p> <p>Accession#: P14618</p> <p>Known as: Pyruvate kinase PKM; CTHBP; OIP-3; THBP1</p>
FORMULATION	Supplied as a 0.2 μm filtered solution of 20mM Tris- HCl, 50mM NaCl, 0.05% Brij-35, 1mM DTT, pH7.5.
SHIPPING	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
QUALITY CONTROL	<p>Mol Mass:60.1kDa AP Mol Mass:60kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
 <p>SDS-PAGE</p>	