

32-8365: Recombinant Human Pyruvate Kinase M2/PKM2 (N-6His)

Gene : PKM
Gene ID : 5315
Uniprot ID : P14618

Description

Source: E. coli.
MW :60.1kD.

Recombinant Human Pyruvate kinase M2 is produced by our E.coli expression system and the target gene encoding Ser2-Pro531 is expressed with a 6His tag at the N-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of PBS, pH7.0, 10% glycerol.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMSKPHSEAGTAFIQQLHAAMADTFLEHMCRLDIDSPITARNTGIICTIGPA
SRSVETLKEMIKSGMNVARLNFSHGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKGPEIRTGLIKGSGTA
EVELKKGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGLISLQVKQKGADFLVTEVENGGSLGS
KKGVNLPGAAVDLPVASEKDIQDLKFGVEQDVMVFASFIRKASDVHEVRKVLGEKGKNIISKIENHEGVRRF
DEILEASDGIMVARGDLGIEIPAEKVFLAQKMMIGRCNRAGKPVICATQMLESMIKKPRPTRAEGSDVANAVLDG
ADCIMLSGETAKGDYPLEAVRMQHIAAREAEEAIYHLQLFEELRRLAPITSDPTEATAVGAVEASFKCCSGAIIVLT
KSGRSAHQVARYRPRAPIIAVTRNPQTARQAHLYRGIFPVLCCKDPVQEAWAEDVDLRVNFAMNVGKARGFFKK
GDVVIVLTGWRPGSGFTNTMRVVPV

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.