

PKM2, 1-531aa, Human, His tag, E.coli

Cat.NO.: TP03421

3th Edition

Synonyms:Pyruvate kinase, muscle isoform M2, CTHBP, THBP1, p58, M2-PK, Tumor M2-PK, PK2, PK3, PKM.

Description:PKM2 is an isoenzyme of the glycolytic enzyme pyruvate kinase. This protein catalyzes the production of pyruvate and ATP from phosphoenolpyruvate. PKM2 interacting with Opa proteins, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, is required for bacterial pathogenesis. It is specifically expressed at high levels in tumor cells, and can be measured in plasma of patients with advanced breast cancer.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:60.1 kDa (551aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMSKPHSEAGTAFIQTQQLHAAMADTFLEHMCRLDIDSPITARNTGIICTIGPASRS
VETLKEMIKSGMNVARLNFSHGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKGPEIRTGLIKGSGTAEVELK
KGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGLISLQVKQKGADFLVTEVENGGSLGSKKGVNLP
GAAVDLPAVSEKDIQDLKFGVEQDVMVFASFIRKASDVHEVRKVLGEKGKNIISKIENHEGVRRFDEILEASDGIM
VARGDLGIEIPAEEKVFLAQKMMIGRCNRAGKPVICATQMLESMIKKPRPTRAEGSDVANAVLDGADCIMLSGETAKG
DYPLEAVRMQHLIAREAEAAIYHLQLFEELRRLAPITSDPTEATAVGAVEASFKCCSGAIIVLTKSGRSAHQVARYRP
RAPIIAVTRNPQTARQAHLRYGIFPVLCKDPVQEAWAEDVDLRVNFAMNVGKARGFFKKGDVVIVLTGWRPGSGFT
NTMRVVPVP

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.