

Pyruvate kinase PKM

Catalog No: #AP78579

Package Size: #AP78579-1 50ug #AP78579-2 100ug #AP78579-3 1mg

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Description

Product Name	Pyruvate kinase PKM
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	2-241AA
Other Names	OIP3,PK2,PK3,PKM2,Cytosolic thyroid hormone-binding protein,Opa-interacting protein 3,Pyruvate kinase 2/3,Pyruvate kinase muscle isozyme,Thyroid hormone-binding protein 1,Tumor M2-PK,p58,CTHBP,OIP-3,THBP1
Accession No.	P14618Gene name:PKM
Uniprot	P14618
GeneID	5315;
Calculated MW	26.4
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. The ratio between the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival.

References

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Note: This product is for in vitro research use only