

Human recombinant protein PKM2
Human Recombinant PKM2
Catalog # PBV10608r

Specification

Human recombinant protein PKM2 - Product info

Primary Accession [P14618](#)
Concentration **1**
Calculated MW **60.1 kDa (551 aa, 1-531 aa + NT His-Tag)**
KDa

Human recombinant protein PKM2 - Additional Info

Gene ID **5315**
Gene Symbol **PKM**

Other Names

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

Gene Source **Human**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **>5.0 unit/mg**
Sequence **MGSSHHHHHH SGLVPRGSH MSKPHSEAGT
AFIQTQQLHA AMADTFLEHM CRLDIDSPPI
TARNTGIICT IGPASRSVET LKEMIKSGMN
VARLNFSHGT HEYHAETIKN VRTATESFAS
DPILYRPVAV ALDTKGPEIR TGLIKGSGTA
EVELKKGATL KITLDNAYME KCDENILWLD
YKNICKVVEV GSKIYVDDGL ISLQVKQKGA
DFLVTEVENG GSLGSKKGVN LPGAAVDLPA
VSEKDIQDLK FGVEQDQDMV FASFIRKASD
VHEVRKVLGE KGKNIKIISK IENHEGVRRF
DEILEASDGI MVARGDLGIE IPAQKVFLAQ
KMMIGRCNRA GKPVICATQM LESMIKKPRP
TRAEGSDVAN AVLDGADCIM LSGETAKGDY
PLEAVRMQHL IAREAEEAIY HLQLFEELRR
LAPITSDPTE ATAVGAVEAS FKCCSGAIIV
LTKSGRSAHQ VARYRPRAPI IAVTRNPQTA
RQAHLYRGIF PVLCKDPVQE AWAEDVDLRV
NFAMNVGKAR GFFKKGDVVI VLTGWRPGSG
FTNTMRVVPV P**

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Human recombinant protein PKM2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PKM2 - Images

Human recombinant protein PKM2 - Background

Pyruvate kinase is a key enzyme in the glycolytic pathway. The M2 isoenzyme of pyruvate kinase is specifically expressed at high levels in tumor cells, and can be measured in plasma of patients with advanced breast cancer. The marker is useful for measuring disease activity, sensitivity to chemotherapy and recurrence. 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.

Human recombinant protein PKM2 - References

- Tani K., et al. Gene 73:509-516(1988).
Kato H., et al. Proc. Natl. Acad. Sci. U.S.A. 86:7861-7865(1989).
Kato H., et al. Proc. Natl. Acad. Sci. U.S.A. 87:1625-1625(1990).
Takenaka M., et al. Eur. J. Biochem. 198:101-106(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).