

## Recombinant Human PKM Protein

Catalog #	Source	Reactivity	Applications
CRP2111	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human PKM Protein 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.		
<b>Form</b>	Liquid in a 0.2 µM filtered solution of PBS, 10% glycerol, pH 7.0.		
<b>Gene Symbol</b>	PKM		
<b>Alternative Names</b>	OIP3; PK2; PK3; PKM2; Pyruvate kinase PKM; Cytosolic thyroid hormone-binding protein; CTHBP; Opa-interacting protein 3; OIP-3; Pyruvate kinase 2/3; Pyruvate kinase muscle isozyme; Thyroid hormone-binding protein 1; THBP1; Tumor M2-PK; p58		
<b>Entrez Gene</b>	5315 (Human)		
<b>SwissProt</b>	P14618 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MGSSHHHHHH SGLVPRGSH MSKPHSEAGT AFIQTQQLHA AMADTFLEHM CRLDIDSPPI</p> <p>TARNTGIICT IGPASRSVET LKEMIKSGMN VARLNFSHGT HEYHAETIKN VRTATESFAS</p> <p>DPILYRPVAV ALDTKGPEIR TGLIKGSGTA EVELKKGATL KITLDNAYME KCDENILWLD</p> <p>YKNICKVVEV GSKIYVDDGL ISLQVKQKGA DFLVTEVENG GSLGSKKGVN LPGAAVDLPA</p> <p>VSEKDIQDLK FGVEQDQDMV FASFIRKASD VHEVRKVLGE KGKNIKIISK IENHEGVRRF</p> <p>DEILEASDGI MVARGDLGIE IPAQKVFLAQ KMMIGRCNRA GKPVICATQM LESMIKKPRP</p> <p>TRAEGSDVAN AVLDGADCIM LSGETAKGDY PLEAVRMQHL IAREAEAAIY HLQLFEELRR</p> <p>LAPITSDPTE ATAVGAVEAS FKCCSGAIIV LTKSGRSAHQ VARYRPRAPI IAVTRNPQTA</p> <p>RQAHLYRGIF PVLCKDPVQE AWAEDVDLRV NFAMNVGKAR GFFKKGDVVI VLTGWRPGSG</p>		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

FTNTMRVVPV P

**Quality Control**

Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

**Directions for Use**

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage/Stability**

Store it at -20°C to -80°C for one year.

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