

Product datasheet for **TP508518**

Pkm (NM_011099) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse pyruvate kinase, muscle (Pkm), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208518 protein sequence
Red=Cloning site **Green**=Tags(s)

MPKPHSEAGTAFIQTQQLHAAMADTFLEHMCRLDIDSAPITARNTGIICTIGPASRSVEMLKEMIKSGMN
VARLNFSHGTHEYHAETIKNVREATESFASDPILYRPVAVALDTKGPEIRTGLIKSGTAEVELKKGATL
KITLDNAYMEKCDENILWLDYKNICKVVEVSGKIYVDDGLISLQVKEKGADFLVTEVENGGSLGSKKGVN
LPGAAVDLPVSEKDIQDLKFGVEQDVMVFASFIRKAADVHEVRKVLGEKGNIKIISKIENHEGVRRF
DEILEASDGIMVARGDLGIEIPAQKFLAQMIGRCNRAGKPVICATQMLESMIKKPRPTRAEGSDVAN
AVLDGADCIMLSGETAKGDYPLEAVRMQHLIAREAAIYHLQLFEELRRLAPITSDPTEAAAVGAVEAS
FKCCSGAIIVLTKSGRSAHQVARYRPRAPIIIVTRNPQTARQAHLYRGIFPVLCKDAVLNAWAEDVDLRV
NLAMDVGKARGFFKKGDVVIVLTGWRPGSGFTNTMRVVPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 57.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_035229](#)



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Locus ID:	18746
UniProt ID:	P52480
RefSeq Size:	2432
Cytogenetics:	9 32.03 cM
RefSeq ORF:	1596
Synonyms:	AA414905; AL024370; AL024424; Pk-2; Pk-3; Pk3; Pkm2
Summary:	Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP (By similarity). Stimulates POU5F1-mediated transcriptional activation (By similarity). Promotes in a STAT1-dependent manner, the expression of the immune checkpoint protein CD274 in ARNTL/BMAL1-deficient macrophages (PubMed:29996098).[UniProtKB/Swiss-Prot Function]