

Product datasheet for TP522017

Dmpk (NM_032418) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse dystrophia myotonica-protein kinase (Dmpk), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR222017 representing NM_032418
Red=Cloning site Green=Tags(s)

MSAEVRLRQLQQLVLDPGFLGLEPLDLLLVGHQELGASHLAQDKYVADFLQWVEPIAARLKEVRLQRDD
 FEILKVIGRGAFSEVAVVKMKQTGQVYAMKIMNKWDMMLKRGEVSCFREERDVLVKGDRRWITQLHFAFAQD
 ENLYLVMEYYVGGDLLTLLSKFGERIPAEMARFYLAEIVMAIDSVHRLGYVHRDIKPDNILLDRCGHIR
 LADFGSCLKLQPDGMVRSLVAVGTPDYLSPEILQAVGGGPGAGSYGPECDWWALGVFAYEMFYGQTPFYA
 DSTAETYAKIVHYREHLSLPLADTWPEEAQDLIRGLLCPAEIRLGRGGAGDFQKHPFFFGLDWEGLRDS
 VPPFTPDEFEGATDTCNFDVVEDRLTAMVSGGGETLSDMQEDMPLGVRLPFVGYSCMAFRDNQVPDPTP
 MELEALQLPVSDLQGLDLQPPVSPDQVAEEADLVAVPAPVAEAETTTLQQLQEALIEEVLTRQSLSRE
 LEAIRXXANQNFSSQLQEAEVRNRDLEAHVRQLQERMMLQAPGAAAITGVPSPRATDPPSHLDGPPAVA
 VGQCPLVGPMPHRRHLLLPARIPRPLSEARCHLLLFAAALAAAATLGCTGLVAYTGGLTPVWCFFPGATF
 AP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 70.1 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.



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RefSeq: [NP_115794](#)

Locus ID: 13400

UniProt ID: [P54265](#)

RefSeq Size: 2761

Cytogenetics: 7 9.46 cM

RefSeq ORF: 1896

Synonyms: DM; Dm15; DMK; MDPK; MT-PK

Summary: The protein encoded by this gene is a serine/threonine protein kinase that contains coiled-coil and C-terminal membrane association domains. In the embryonic mouse, it is found in cardiac and skeletal myocytes where it appears to play a role in myogenesis. In adults, the transcript is localized to several tissues including brain, heart, and skeletal and smooth muscle, and a function in cytoskeletal remodeling has been described. Transcripts with expanded CUG repeats in the 3' untranslated region mediate alternative splicing of several genes and sequester RNA binding proteins and RNA transcripts that contain CAG repeats, resulting in myotonic dystrophy, an autosomal dominant neuromuscular disorder. Alternative splicing results in multiple protein coding and non-coding transcript variants. [provided by RefSeq, Oct 2014]