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Product datasheet for TP507493

Inpp5k (NM_008916) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inositol polyphosphate 5-phosphatase K (Inpp5k), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207493 protein sequence Red=Cloning site Green=Tags(s) MQHGDRNTPGYREGIMSAVSLRRPSAPKGFALSVHVVTWNVASAAPTVDLSDLLQLNNQDLNLDIYIIGL QEMNFGIISLLSDAAFEDPWSSLFMDMLSPLNFVKISQVRMQGLLLLVFAKYQHLPYIQIISTKSTPTGL YGYWGNKGGVNVCLKLYGYYVSIINCHLPPHMYNNDQRLEHFDRILESLTFEGYDVPNILDHDLILWFGD MNFRIEDFGLLFVQESITRKYYKELWEKDQLFIAKKNDQLLREFQEGPLLFPPTYKFDRHSNNYDTSEKK RKPAWTDRILWRLKRQPSQASPLASSVPTSYFLLTLKNYVSHMAYSISDHKPVTGTFDLELNPLMSVPLI TMMPEHLWTMENDMLISYTSTPEFLSSSWDWIGLYKVGMRHINDYVAYVWVGDNQVSYGNNPNQVYINIS AIPDTEDQFLLCYYSNNLHSVVGISQPFKIPIRSFLREDTLYEPEPQI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	54.2 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_032942
Locus ID:	19062

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UniProt ID:	Q8C5L6, Q5ND43
RefSeq Size:	2660
Cytogenetics:	11 45.92 cM
RefSeq ORF:	1407
Synonyms:	C62; Pps; SKIP
Summary:	Inositol 5-phosphatase which acts on inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate, phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Has 6-fold higher affinity for phosphatidylinositol 4,5-bisphosphate than for inositol 1,4,5-trisphosphate (By similarity). Negatively regulates assembly of the actin cytoskeleton. Controls insulin-dependent glucose uptake among inositol 3,4,5-trisphosphate phosphatases; therefore, is the specific regulator for insulin signaling in skeletal muscle (PubMed:22247557, PubMed:22751929).[UniProtKB/Swiss-Prot Function]