

Product datasheet for TP509731

Inpp5e (NM_033134) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inositol polyphosphate-5-phosphatase E (Inpp5e), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209731 protein sequence Red=Cloning site Green=Tags(s)

MPSKSACLRHTEAPGQLEGRMLQGQPPNTEKKLIPTPGFLPASDSQGSETNPMPPFSIPAKTSNQNPNQTK
ANLITPQPPPIRKLERTLSLDDKGWRRRRFRGSQEDLTVQNGASPCRGSLQDSVAQSPAYSRPLPCLSTS
LQEIPKSRATGSEGGSPSLWSDCLSGMISTSLDLLHRDAASGGPPSRLASLHASHTPPAMDLSIASSSL
RTANKVDPEHTDYKLRMQTRLVRAHSNLGPSRPRSPLAGDDHSIHSARSFSLAPIRTKDIRSRSYLEGS
LLASGALLGAEELARYFPDRNMALFVATWNMQGQKELPASLDEFLLPTEADYTQDLYVIGIQEGCSDRRE
WETRLQETLGPQYVLLSSAAHGVLYMSLFIRRDLIWFCEVEYSTVTRIVSQIKTKGALGVSFTFFGTS
FLFITSHTSGDGKVAERLLDYSRTIQALALPRNVPDTNPYRSSAGDVTRFDEVFVWFGDFNRLSNGGRV
AVEAFLKQKPEVDVLALLQHDQLTREMKKGSIFRGFEEAEIHFLPSYKFDIGKDTYDSTSKQRTPSYTD
VLYKSRHKGDICPMKYSSCPGIKTSDHRPVYGLFQVKVRPGRDNIPLAAGKFDRELYLIGIKRRISKEIQ
RQEALKSQSSSAVCTVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	71.9 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_149125
Locus ID:	64436
UniProt ID:	Q9JII1
RefSeq Size:	4186
Cytogenetics:	2 A3
RefSeq ORF:	1944
Synonyms:	72kDa; 1200002L24Rik; mKIAA0123
Summary:	<p>Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Specific for lipid substrates, inactive towards water soluble inositol phosphates. Specific for lipid substrates, inactive towards water soluble inositol phosphates (By similarity) (PubMed:10806194). Plays an essential role in the primary cilium by controlling ciliary growth and phosphoinositide 3-kinase (PI3K) signaling and stability (PubMed:19668215). [UniProtKB/Swiss-Prot Function]</p>