

## Product datasheet for TP511203

### Inpp4b (NM\_001024617) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse inositol polyphosphate-4-phosphatase, type II (Inpp4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211203 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEIKEEGTSEEGQHFLPAAQANDPEDIQFTSIQKIPNEPQLEFILACRDLVAPVSDRKLNTVQISVIHP  
VEQTLTRYSSSTEIVEGTKDPLFLTGVTFPPDYPIYEETRIKLTVDVKDKSHDTRSFLGCASFVKGELLK  
SKEQLLSLRTSDGGKVVGTIEVSLVKMGEIEDGTDHITTDVQGQKCALMYESTAPESLSGKENLPFM  
NAVLRNPVCKLYRFPTSDNKWMRIREQMSESILSFHIPKELISLHIKEDLCRNQELKELGDLSPHWDNLR  
KNVLSHCDQMVTMYQDILTELSKETGSSFKSSSSKGEKLEFVPVNLHLQRMQVHSPHLKDALYDVITVG  
APAAHFQGFKNGLRKLHFRFETERRNTGYQFIYSPENTAKAKEVLSSINQLQPLIATHADLLTSASQ  
RSPDSLKSSLLKSEKTELFVHAFKQDLVRSALLALYARPGGILKKPPSPNVSTEEKSTQHDTPLRRQ  
DSIPHHSYDEEEWDRVWANGKSLNCAIKVDKLIERSHNEEGAGGSSSKDGEADHTLEDSITSHPRE  
DWYEQHLPLILTLKECMGEVNRKQSLTFVLLQELAYSLPQCLMLTLRRDIVFSQALAGLVCGFIIKLH  
TSLHDPGFLQLHTVGLIVQYEGLLSTYSDEIGMLEDMAVGISDLRKFVAFKITEATSNDVLPVLTGRREH  
YVVEVKLPATVFESLPLQIQEGQLLHVYPVLFNVDINEQQTAEFRGVDVSLQESINQENFELVQEYYSIF  
MEKMPPDYISHFQEQTDLKGLLDNLHQNIQAKKRKNVEIMWLAATICRKLNGIRFTCKSAKDRTSMSVT  
LEQCSILRDEHQLHKDFFIRALDCMRSRQTQGALNESDDPETGCLTDNKPTSRHFYPVALLLVSSHLLV  
WLILSLALLAKYQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	104.5 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



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001019788</a>
<b>Locus ID:</b>	234515
<b>UniProt ID:</b>	<a href="#">Q6P1Y8</a> , <a href="#">Q1A6V1</a>
<b>RefSeq Size:</b>	4429
<b>Cytogenetics:</b>	8 39.02 cM
<b>RefSeq ORF:</b>	2775
<b>Synonyms:</b>	E130107117Rik
<b>Summary:</b>	Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate (By similarity). Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (By similarity). Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival (By similarity).[UniProtKB/Swiss-Prot Function]