

## Product datasheet for TP510726

### Pi4kb (NM\_175356) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse phosphatidylinositol 4-kinase beta (Pi4kb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR210726 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <p>MGDMVVEPATLKPTSEPTSPSPGNNGSLLSVITEGVGELSVIDPEVAQKACQEVLEKVKLLHGGVAISS<br/>KGTPLELVNGDGDVDNEIRCLDDPPAQIREEEDEMAGVASGTAKGARRRRQNNSAKQSWLLRLFESKLF<br/>ISMAISYLYNSKEPGVQAYIGNRLFYFRNEDVDFYLPQLLNMYIHMDDEDVGDAIKPYIVHRCRQSFSL<br/>QCALLLGAYSSDMHISTQRHSRGTKLRKLLSDELKPAHRKRELPTLSPAPDTGLSPSKRTHQRSKSDAT<br/>ASISLSSNLKRTASNPKVENEDPVRLAPEREFIKSLMAIGKRLATLPTKEQKTQRLISELSLLNHKLPA<br/>RVWLPTAGFDHHVVRPHTQAVLNSKDKAPYLIYVEVLECENFDTTSVPARIPENRIRSTRSVENLPEC<br/>GITHEQRAGSFSTVPNYDNDDEAWSVDDIGELQVELPEVHTNSCDNISQFSVDSITSQESKEPVFIAAGD<br/>IRRRLSEQLAHTPTAFKRDPEDPSAVALKEPWQEKVRRIREGSPYGHLPNWRLLSVIVKCGDDLRLQELLA<br/>FQVLKQLQSIWEQERVPLWIKPYKILVISADSGMIPEVWNAVSIHQVKKQSQLSLLDYFLQEHGYSYTEA<br/>FLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHIDFGFILSSSPRNLGFETSAFKLTTEFV<br/>DVMGGLNGDMFNYYKMLMLQGLIAARKHMDKVVQIVEIMQQGSQPLCFHGSSTIRNLKERFHMSMTEEQL<br/>QLLVEQMVDGSMRSITTKLYDGFQYLTINGIM</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-MYC/DDK  |
| Predicted MW:                         | 89.9 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.  |



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|----------------------|---|
| <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>       | <u><a href="#">NP_780565</a></u>  |
| <b>Locus ID:</b>     | 107650  |
| <b>UniProt ID:</b>   | <u><a href="#">Q8BKC8</a></u>   |
| <b>RefSeq Size:</b>  | 3786  |
| <b>Cytogenetics:</b> | 3 F2.1  |
| <b>RefSeq ORF:</b>   | 2406  |
| <b>Synonyms:</b>     | ESTM41; PI4K-beta; PI4Kbeta; Pik4cb   |
| <b>Summary:</b>      | Phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). May regulate Golgi disintegration/reorganization during mitosis, possibly via its phosphorylation (By similarity). Involved in Golgi-to-plasma membrane trafficking (By similarity).[UniProtKB/Swiss-Prot Function] |