

## Product datasheet for **TP510441**

### **Ptpdc1 (NM\_207232) Mouse Recombinant Protein**

#### **Product data:**

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Purified recombinant protein of Mouse protein tyrosine phosphatase domain containing 1 (Ptpdc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug   |
| <b>Species:</b>                              | Mouse  |
| <b>Expression Host:</b>                      | HEK293T  |
| <b>Expression cDNA Clone or AA Sequence:</b> | >MR210441 representing NM_207232<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MAAGVLPQNEPYSTLVNSSGHAHMDENSGRPAPKYTKVGERLRHVIPGHMACSMACGGGRACKYENPAR<br>WSEQEQAIGVYSSWVTDNILAMARPSELLEKYRIIEQFLGQGIKTIINLQRPGEHASCBSALEQESGF<br>TYLPEAFMEAGIYFYNFGWKDYGVASLTAILDMVKVMTFALQEGKVAVHCHAGLGRGTGLIACYLVFATR<br>MTADQAIIFVRAKRPNSIQTRGQLLCVREFTQFLAPLRNIFSCCDPKAHAVTLAQYLIRQRHLLHGYEAR<br>LLKYVPKIIHLVCKLLDLAENRPVVMKSMLEGPVLSAEIEKTVSEMVTLQLDQELLRQNSDVPDPFNPT<br>AEVAEFENQDVILSTEQEFDPLWKRRDIECLQPLTHLKRQLSYSDSLKRAKAILEQGETPWTVPAQELL<br>DHSLQHQPSTSHCYMPPTPELGFNKEALVQNTFSFWTPSKCGGLEGLKDEGSLLLCRKDIPKEVQRSRTF<br>SVGVSCHNPGEVPPNFTSIHKDPEQVTHCRCEAPGGWVPGPVHEMVRSPCSPLNCGSSPKAQFPHGQE<br>TQDSTDLSAEVPHAGLQPELSAEARRILAAKALANLNEFVEKEEVKRKVMWQKELNSREEAWERICGER<br>DPFILCSLMWSWVEQLKEPVITKEDVDMLVDRQADAAEALFLLEKGYQYQITLVCVLCIVSLQTLPMEEVEE<br>ACLLHAIKAFTKVNFDSENGPIVYDTLKKIKHTLEEKRKMAKDSLS<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| <b>Tag:</b>                                  | C-MYC/DDK  |
| <b>Predicted MW:</b>                         | 84.4 kDa   |
| <b>Concentration:</b>                        | >0.05 µg/µL as determined by microplate BCA method   |
| <b>Purity:</b>                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| <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.  |



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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>       | <a href="#">NP_997115</a>  |
| <b>Locus ID:</b>     | 218232   |
| <b>UniProt ID:</b>   | <a href="#">Q6NZK8</a>   |
| <b>RefSeq Size:</b>  | 4429   |
| <b>Cytogenetics:</b> | 13 A5  |
| <b>RefSeq ORF:</b>   | 2241   |
| <b>Synonyms:</b>     | AI843923; AW456874; Naa-1; Ptpcd1  |
| <b>Summary:</b>      | The protein encoded by this gene is a centrosomal mitotic phosphatase. This protein has been implicated in centrosomal duplication and cytokinesis. In addition, knockdown of expression levels in non-cycling cells results in extra long cilia, suggesting that this protein may function in regulating cilia length independent of a function in cell cycle control. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014] |