

## Product datasheet for **TP507373**

### **Fgd2 (BC021845) Mouse Recombinant Protein**

#### **Product data:**

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Purified recombinant protein of Mouse FYVE, RhoGEF and PH domain containing 2 (cDNA clone MGC:30923 IMAGE:4016697), complete cds, 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> | >MR207373 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MYSEYVKNFERAAELLATWMDKSQPFQEVWTRIQCSEASSSLTLQHHMLEPVQRIPRYELLLKEYVQKLP<br>AQAPDLEDAQRALDMIFSAAQHSNAAIAEMERLQGLWDVYQRLGLEDDIVDPSNTLLREGPVLKISFRRS<br>DPMERYLVLFNNMLLYCVPRVLQVGAQFQVRTRIDVAGMKVRELTDAEFPHSFLVSGKQRTLELQARSRD<br>EMVSWMQACQAAIDQVEKRSETFKA AVQGPQGD TQEPKPQVEELGLRAPQWVRDKMVTMCMRCQEPFNAL<br>TRRRHHCACGYVCAKCSDYRAELKYDSNRPNRVCLTCYFLTGNVLPQGKEDKRRGILEKEASAAPEQ<br>SLVCSFLQLIGDKCSRSLPRSWCVIPRDDPLVLYVYAAPQDTKAHTSIPLLLGYQVISGPPQGDPRVFQLQQ<br>SGQQYTFKAESVELQGRWVTAIKRAASGRTPEGPDEEDVSD<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| <b>Tag:</b>                                  | C-MYC/DDK  |
| <b>Predicted MW:</b>                         | 52.5 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.  |
| <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>Locus ID:</b>                             | 26382  |



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| <b>UniProt ID:</b>   | <u><a href="#">Q8BY35</a></u>   |
| <b>RefSeq Size:</b>  | 2094  |
| <b>Cytogenetics:</b> | 17 A3.3   |
| <b>RefSeq ORF:</b>   | 1383  |
| <b>Synonyms:</b>     | Tcd-2; Tcd2; tcs-2; tcs2; ZFYVE4  |
| <b>Summary:</b>      | Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate.<br>[UniProtKB/Swiss-Prot Function] |