

## Product datasheet for **TP510894**

### Zhx2 (NM\_199449) Mouse Recombinant Protein

#### Product data:

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| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Purified recombinant protein of Mouse zinc fingers and homeoboxes 2 (Zhx2), 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> | >MR210894 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |

MASKRKSTTPCMVRTSQVLEQDMLEEADRAKDKGAGMPQSDVTKDSWAAEPEHSSKETEVVEVKSMGENL  
SKKLQGGYECKYCPYSTQNLNEFTEHVDMQHPNVILNPLYVCAECNFTTKKYDSLSDHNSKFHPGETNFK  
LKLKRNQTVLEQSIEATNHVVPITASGPGSSDNDPGVSVGKTPMTKTGKLGKADAKKVPKPPDEAAPEN  
HMEGTARLVTDTAAILARLGSVELLQDSLGHVMPVSVQLPPNINLVPKVPVPLNNTTKYNSALDTNATMINS  
FNKFPYPTQAELSWLTAASKHPEEHIRIWFATQRLKHGISWSPEEVEEARKKMFNGTIQSVPTITVLP  
QLTPTKVSQPILQALPCQILGQPSLVLTQVTSGSTTVSCSPITLAVAGVTNHGQKRPLVTPQAAPEPKR  
PHIAQVPEPPPQVANTPLTPASDRKTKLQIAHLKASFLQSQFPDDAEVYRLIEVTGLARSEIKKWFS  
RRCRQGRGIVHITSESLAKDQMAITGTRHGRTYHVYPDFAPQKFKEKSQGGQLKTLKLEDSFLKSSFPTQAEVE  
RLRVETKLSRREIDSWFSERRKLRDSMEQAVLDSMGSGKKGSDAVAPNGALSRLDQLSGAQLAGSLPSPS  
SAIVQNQEQQVHLLRSTFARTQWPTPQEYDQLAAKTGLVRTEIVRWFKENRCLLKTGTLVLEQYQRHHMS  
DDRGRDAVSRKQVAESPKNQSEAAHQYAKDPKALSEEDSEKLVPRMKVGGDPTKDCLAGKPSEATSD  
RSEGRDGGQSEENEESGIVDFVEVTVGEEDAISEKWGSWSRRVAEGTVERADSDSDSTPAEAGQA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                       |  |
|-----------------------|--|
| <b>Tag:</b>           | C-MYC/DDK  |
| <b>Predicted MW:</b>  | 92.3 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_955520</a>   |
| <b>Locus ID:</b>     | 387609  |
| <b>UniProt ID:</b>   | <a href="#">Q8C0C0</a>  |
| <b>RefSeq Size:</b>  | 4392  |
| <b>Cytogenetics:</b> | 15 24.01 cM   |
| <b>RefSeq ORF:</b>   | 2511  |
| <b>Synonyms:</b>     | Afr-1; Afr1; mKIAA0854; Raf   |
| <b>Summary:</b>      | Acts as a transcriptional repressor (PubMed:19515908). Represses the promoter activity of the CDC25C gene stimulated by NFYA (By similarity). May play a role in retinal development where it regulates the composition of bipolar cell populations, by promoting differentiation of bipolar OFF-type cells (PubMed:30146259). In the brain, may promote maintenance and suppress differentiation of neural progenitor cells in the developing cortex (PubMed:19515908).<br>[UniProtKB/Swiss-Prot Function] |