

## Product datasheet for TP501752

### Dhfr (NM\_010049) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse dihydrofolate reductase (Dhfr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR201752 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MVRPLNCIVAVSQNMGIGKNGDLPWPPLRNEFKYFQRMTTSSVEGKQNLVIMGRKTFWFSIPEKNRPLKD<br>RINIVLSRELKEPPRGAHFLAKSLDDALRLIEQPELASKVDMVWIVGGSSVYQEAMNQPGHLRRLFVTRIM<br>QEFESDTFFPEIDLGKYKLLPEYPGVLSEVQEEKGIKYKFEVYEKDK |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>   |
| Tag:                                  | C-MYC/DDK  |
| Predicted MW:                         | 21.6 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.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <u><a href="#">NP_034179</a></u>   |
| Locus ID:                             | 13361  |
| UniProt ID:                           | <u><a href="#">P00375</a></u> , <u><a href="#">Q544T5</a></u>  |
| RefSeq Size:                          | 5307   |
| Cytogenetics:                         | 13 47.64 cM  |



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RefSeq ORF: 564

Synonyms: 8430436I03Rik; AA607882; A1662710; AW555094

Summary: Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway (PubMed:25980602). Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis (PubMed:25980602). Binds its own mRNA.[UniProtKB/Swiss-Prot Function]