

## Product datasheet for TP519273

### Pde3b (NM\_011055) Mouse Recombinant Protein

#### Product data:

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| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Purified recombinant protein of Mouse phosphodiesterase 3B, cGMP-inhibited (Pde3b), 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> | >MR219273 representing NM_011055<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|  | <p>MRKDERERDAPAMRSPPPPPASAASPPELRNGYVKSCVSPLRQDPPRSFFFHLCRFCNVEPPAASLRAG<br/>         ARLSLGVLAAFVLAALLGARPERWAAAAAGLRTLSSACSLSLSPLFSIACAFFLTCFLTRAQRGPGRGA<br/>         GSWWLLALPACCYLGDFAAWQWWSWLRGEPAAAGRLCLVLSVGLLTLAPRVRLRHGVLVLLFAGLVWWV<br/>         SFSGLGALPPALRPLLSCLVGGAGCLLALGLDHHFFHVRGASPPRSASTAEKVPVIRPRRRSSCVSLGE<br/>         SAAGYYGSGKMFRRPSLPCISREQMILWDWDLKQWCKPHYQNSGGGNGVDLSVLNEARNMVSDLLIDPSL<br/>         PPQVISSLRSSLMGAFSGSCRPKINSFTPPFGFYPCSEVEDPVEKGDRLKHLKLSGRTSFPTQLRRS<br/>         SGASSLLTNEHCSRWDRSSGKRSYQELSVSSHGCHLNGPFSSNLFTIPKQRSSSVSLTHHAGLRRAGALP<br/>         SHLLNSSSHVPSVAGSLTNRSPIGFPDITDFTLTKPNIILHRSLSGVSSAADFHQYLRNSDSNLCSSCGH<br/>         QILKYVSTCEPDGTDHPSEKSGEEDSSVFSKEPLNIVETQEEETMKKACRELFLGDSHLMEEAQQPNID<br/>         QEVSLDPLVEDYDSLIEKMNNWNFQIFELVEKMGESGRILSQVMYTLFQDTGLLETFKIPTQEFMNYF<br/>         RALENGYRDIPYHNRVHATDVLHAVWYLTRPIGLPQIHHNHETETKADSDGRLGSGQIAYISSKCCI<br/>         PDMSYGCLSSNIPALELMALYVAAAMHDYDHPGRTNAPQAVLYNDRSVLENHHAASAWNLYLS<br/>         RPEYNFLNLDHMEFKRFRFLVIEAILATDLKKHFDLAEFNAKANDVNSNGIEWSSENDRLLVCQVCIK<br/>         LADINGPAKDRDLHLRWTEGIVNEFYEQGDEEATLGLPISPFMDRSPQLAKLQESFITHIVGPLCNSYD<br/>         AAGLLPGQWIETEEGDDTESDDDDDDGGGEEELSDSDEETEDNLNPKPQRRKGRRRIFCQLMHHLTENH<br/>         KIWKIEIIIIIEEKCKAEGNKLQVDNASLPQADEIQVIEEADEEEEQMFE</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| <b>Tag:</b>                                  | C-MYC/DDK   |
| <b>Predicted MW:</b>                         | 122.5 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  |



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| <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>RefSeq:</b>       | <u>NP_035185</u>  |
| <b>Locus ID:</b>     | 18576   |
| <b>UniProt ID:</b>   | <u>Q61409</u> , <u>E9QLQ3</u> , <u>Q3UQ25</u>   |
| <b>RefSeq Size:</b>  | 5314  |
| <b>Cytogenetics:</b> | 7 59.46 cM  |
| <b>RefSeq ORF:</b>   | 3297  |
| <b>Synonyms:</b>     | 9830102A01Rik; AI847709   |
| <b>Summary:</b>      | Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis (By similarity).[UniProtKB/Swiss-Prot Function] |