

## Product datasheet for TP523861

### Tbc1d25 (NM\_172478) Mouse Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description:                          | Purified recombinant protein of Mouse TBC1 domain family, member 25 (Tbc1d25), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Species:                              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Expression cDNA Clone or AA Sequence: | >MR223861 protein sequence<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)<br><br>MRPPAQARWEGQGPTAPLRLRSGARWGRGRPHCWVYVRVRTIGYHLDRDDSGGMATTSAA SDSACSA<br>AP<br>PPVGGAQAAAAVEEEEEREVVRVRVKKCESFLSPEFRSFAVDPQITSLDVLQHILIRAFDLNGKKNFGISY<br>LARDRLGQETFLSLLSDWDLSTAFATASKPYLQLRVDIRPSEDSPLLEDWDIISPKDVGSDVLLAEKRS<br>SLTTAALPFTQSILSQVGRTLSKVQQVLSWSYGEDVKPFKPPLSDAEFHTYLNHEGQLSRPEELRLRIYH<br>GGVEPSLRKVVWRYLLNVYPDGLTGRERMDYMKRKSREYEQLKSEWAQRVNPEDLEFIRSTVLKDVLRD<br>RAHPYYAGPEDGPHLRALHDLLTTYAVTHPQVSYCQGMSDLASPILAVMDHEGHAFVCFCGIMKRLAAN<br>F<br>HPDGRAMATKFAHLKLLLRHADPDFYQYLQEAGADDLFFCYRWLLELKREFAFDDALRMLEVTWSSLPP<br>DPPEHEVELVGPPSQVADTGFGSHRGRPVQRHMLRPAGGGGGAFEDAVVHLAASSQGPGSGGRLLRQ<br>AS<br>LDGLQQLRDNMGLRKDHLVQLSHPATLISSKSLSEPLLNSPDPLLSTSSRPDSPSSSSPPSTQEASPSGD<br>IAVGSPLMQEVGSPRDPGKPVPPPPPMGLPPPQEFGRGNPFMLFLCLAILLEHRDHIMRNLGDYNELAM<br>H<br>FDRLVRKHHLGRVLRRAKALFADYQLQSEVWDSEEGAEATAPS<br><br><span style="color: red;">TR</span> TRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag:                                  | C-MYC/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Predicted MW:                         | 82.6 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |


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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><a href="#">NP_766066</a></u>                                                                                                                                                                                       |
| <b>Locus ID:</b>     | 209815                                                                                                                                                                                                                 |
| <b>UniProt ID:</b>   | <u><a href="#">A1A5B6</a></u>                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 2659                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b> | X 3.69 cM                                                                                                                                                                                                              |
| <b>RefSeq ORF:</b>   | 2226                                                                                                                                                                                                                   |
| <b>Synonyms:</b>     | 6330576A08Rik; DXHXS7927e; Oat1                                                                                                                                                                                        |
| <b>Summary:</b>      | Acts as a GTPase-activating protein specific for RAB33B. Involved in the regulation of autophagosome maturation, the process in which autophagosomes fuse with endosomes and lysosomes.[UniProtKB/Swiss-Prot Function] |