

## Product datasheet for TP316277L

### PTOP (ACD) (NM\_022914) Human Recombinant Protein

#### Product data:

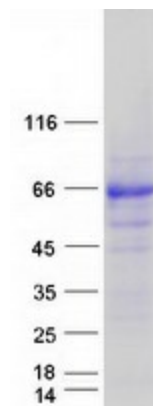
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| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Recombinant protein of human adrenocortical dysplasia homolog (mouse) (ACD), transcript variant 2, 1 mg   |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | HEK293T   |
| <b>Expression cDNA Clone or AA Sequence:</b> | >RC216277 representing NM_022914<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MPGRCQSDAAMRVNGPASRAPAGWTSGSLHTGPRAGRPRARGVVRGRLLLRPPPAKELPLPRKGGAWA<br>PAGNPGPLHPLGVAVGMAGSGRLVLRPWIRELILGSETPSSPRAGQLLEVLQDAEAAVAGPSHAPDTSV<br>GATLLVSDGTHSVRCLVTREALDTSWEEKEFGFRGTEGRLLLQDCGVHVQVAEGGAPAEFYLVQVDRFS<br>LLPTEQPRLRVPGCNQDLQKLYDCLEEHLESTSSNAGLSLSQLLEDEMREDQEHQALVCLAESCLT<br>LEGPCTAPPVTHWAASRCKATGEAVYVTPSSMLCISENDQLLSSLGPCQRTQGPELPPDPALQDLSLT<br>LIASPPSSPSSSGTPALPGHMSSEESGTSISLLPALSLAAPDPGQRSSSQPSAICSAPATLTTPRSPHAS<br>RTPSSPLQSCTPSLSPRSHVPSPHQALVTRPQKPSLEFKEFVGLPCKNRPPFRTGATRGAQEPCSVWEP<br>PKRHRDGSFAFYEYEPPTSLCARVQAARLPPQLMAWALHFLMDAQPGEPTPM<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| <b>Tag:</b>                                  | C-Myc/DDK   |
| <b>Predicted MW:</b>                         | 57.2 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>Preparation:</b>                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| <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.   |



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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_075065</a>   |
| <b>Locus ID:</b>     | 65057   |
| <b>UniProt ID:</b>   | <a href="#">Q96AP0</a> , <a href="#">A0A5F9ZCY9</a>   |
| <b>RefSeq Size:</b>  | 2034  |
| <b>Cytogenetics:</b> | 16q22.1   |
| <b>RefSeq ORF:</b>   | 1632  |
| <b>Synonyms:</b>     | PIP1; PTOP; TINT1; TPP1   |
| <b>Summary:</b>      | This gene encodes a protein that is involved in telomere function. This protein is one of six core proteins in the telosome/shelterin telomeric complex, which functions to maintain telomere length and to protect telomere ends. Through its interaction with other components, this protein plays a key role in the assembly and stabilization of this complex, and it mediates the access of telomerase to the telomere. Multiple transcript variants encoding different isoforms have been found for this gene. This gene, which is also referred to as TPP1, is distinct from the unrelated TPP1 gene on chromosome 11, which encodes tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008] |

### Product images:



Coomassie blue staining of purified ACD protein (Cat# [TP316277]). The protein was produced from HEK293T cells transfected with ACD cDNA clone (Cat# [RC216277]) using MegaTran 2.0 (Cat# [TT210002]).