

## Product datasheet for **TP313257M**

### **C9orf21 (AAED1) (NM\_153698) Human Recombinant Protein**

#### Product data:

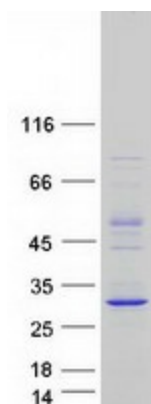
|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human chromosome 9 open reading frame 21 (C9orf21), 100 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC213257 representing NM_153698<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <br>MAAPAPVTRQVSGAAALVPAPSGPDSGQPLAAVAELPVL DARGQRV PFGALFRERRAWV FVRHFLCYI<br>CKEYVEDLAKIPRSFLQEANVTLIVIGQSSYHHIEPFCKLTGYSHEIYVDPEREIYKRLGMKRGEEIASS<br>GQSPHIKSNLLSGSLQSLWRAVTGPLFDFQGDPAQQGGTLILGPGNNIHFHRDRNRLDHKPINSVLQLV<br>GVQHVNFNTRPSVIHV<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 24.7 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   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| 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.  |
| 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_714542</a></u>   |
| Locus ID:                             | 195827   |
| UniProt ID:                           | <u><a href="#">Q7RTV5</a></u>  |



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|               |  |
|---------------|--|
| RefSeq Size:  | 1242   |
| Cytogenetics: | 9q22.33  |
| RefSeq ORF:   | 678  |
| Synonyms:     | AAED1; C9orf21   |
| Summary:      | May regulate positively ERK1/2 signaling and AKT1 activation leading to HIF1A up-regulation with an increased expression of glycolysis genes and enhanced glycolysis.[UniProtKB/Swiss-Prot Function] |

### Product images:



Coomassie blue staining of purified PRXL2C protein (Cat# [TP313257]). The protein was produced from HEK293T cells transfected with PRXL2C cDNA clone (Cat# [RC213257]) using MegaTran 2.0 (Cat# [TT210002]).