

## Product datasheet for **TP323240M**

### **PXDNL (NM\_144651) Human Recombinant Protein**

#### **Product data:**

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|------------------|------------------------------------------------------------------------------------|
| Product Type:    | Recombinant Proteins                                                               |
| Description:     | Recombinant protein of human peroxidasin homolog (Drosophila)-like (PXDNL), 100 µg |
| Species:         | Human                                                                              |
| Expression Host: | HEK293T                                                                            |

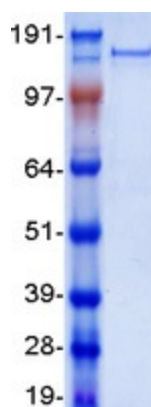


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| <b>Expression cDNA Clone or AA Sequence:</b> | <p>&gt;RC223240 representing NM_144651</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEPRLFCWTTFLLAGWCLPGLPCPSRCLCFKSTVRCMHLMLDHIPQVPQQTTVLDRFNRIREIPGSAF<br/> KKLKNLNTLLNNNNHIRKISRNAFEGLENLLYLYKNEIHALDKQTFKGLISLEHLYIHFNQLEMLQPE<br/> TFGDLLRLERLFLHNNKLSKIPAGSFSNLDLRLRLDSNALVCDLMDWLGEELLQGFAQHGHTQAAATC<br/> EYPRRLHGRAVASVTVEEFNCQSPRITFEPQDVEVPSGNTVYFTCRAEGNPKPEIWIHNNHSLDLEDDT<br/> RLNVFDDGTLMIRNTRSDQGVYQCMARNSAGEAKTQSAMLRYSPLPAKPSFVIQPDTEVLIGTSTTLE<br/> CMATGHPHPLITWTRDNGLELDGSRHVATSSGLYLQNITQRDHGRFTCHANNSHGTVQAAANIIVQAPP<br/> Q<br/> FTVTPKDQVWLEEHAVEWLCEADGNPPPVIWTKTGGQLPVEGQHTVLSSGTLRIDRAAQHDQGQYECQ<br/> A<br/> VSSLGVKKVSVQLTVKPKALAVFTQLPQDTSVEVGKNINISCHAQGEPPQIITWNKEGVQITESGKFHVD<br/> DEGTLTIYDAGFPDQGRYECVARNSFGLAVTNMFLTVTAIQGRQAGDDFESSILDVAVQRVDSAINSTRR<br/> HLFSQKPHTSDDLAAQFHYPRLIVEMARAGEIFEHTLQLIRERVKQGLTVDLLEGKEFRYNDLVSPRSL<br/> SLIANLSGCTARRPLPNCNRCFHAKYRAHDGTCNNLQQPTWGAALTAFARLLQPAYRDGIRAPRGLGLP<br/> VGSRQPLPPRLVATVWARAAAVTPDHSYTRMLMHWWGFLEHDLHTVPALSTARFSDGRPCSSVCTN<br/> DP<br/> PCFPMNTRHADPRGTHAPCMLFARSSPACASGRPSATVDSVYAREQINQQTAYIDGSNVYGSSERESQAL<br/> RDPSVPRGLLKTGFPWPPSGKPLLPFSTGPPTCARQEESPCFLAGDHRANEHLALAAMHTLWFREHN<br/> R<br/> VATELSALNPHWEGNTVYQEARIVGAELQHITYSHWLPKVLGDPGTRMLRGYRGYNPNVNAGIINSFAT<br/> AAFRFGHTLINPILYRLNATLGEISEGHLFPFKALFSPSRIKEGGIDPVLRLGLFGVAAKWRAPSYLLSP<br/> ELTQRLFSAAYSAAVDSAAATIIQRGRDHGIPPYVDFRVFCNLTSVKNFEDLQNEIKDSEIRQKLRLYGS<br/> PGDIDLWPALMVEDLIPGTRVGPTLMCLFVTQFQRLRDGDRFWYENPGVFTPAQLTQLKQASLSRVLCD<br/> N<br/> GDSIQVQADVFVKAIEYPQDYLNCEIPKVDLRVWQDCCADCRSRGQFRAVTQESQKKRSAQYSYPVDK<br/> D<br/> MELSHLRSRQQDKIYVGEDARNVTVLAKTKFSQDFSTFAAEIQETITALREQINKLEARLRQAGCTDVRG<br/> VPRKAEERWMKEDCTHCICESGQVTCVVEICPPAPCPSELVKGTCCPVCRDRGMPSDSPEKR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Tag:</b>                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Predicted MW:</b>                         | 163.5 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>Storage:</b>          | Store at -80°C.                                                                                                                                                                                   |
| <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_653252</u>                                                                                                                                                                                  |
| <b>Locus ID:</b>         | 137902                                                                                                                                                                                            |
| <b>UniProt ID:</b>       | <u>A1KZ92</u>                                                                                                                                                                                     |
| <b>RefSeq Size:</b>      | 4812                                                                                                                                                                                              |
| <b>Cytogenetics:</b>     | 8q11.22-q11.23                                                                                                                                                                                    |
| <b>RefSeq ORF:</b>       | 4389                                                                                                                                                                                              |
| <b>Synonyms:</b>         | PMR1; PRM1; VPO2                                                                                                                                                                                  |
| <b>Summary:</b>          | Isoform PMR1: Endonuclease selectively degrading some target mRNAs while they are engaged by translating ribosomes, among which albumin and beta-globin mRNAs.<br>[UniProtKB/Swiss-Prot Function] |
| <b>Protein Families:</b> | Druggable Genome                                                                                                                                                                                  |

### Product images:



Coomassie blue staining of purified PXDNL protein (Cat# [TP323240]). The protein was produced from HEK293T cells transfected with PXDNL cDNA clone (Cat# [RC223240]) using MegaTran 2.0 (Cat# [TT210002]).