

## Product datasheet for **TP315551L**

### **ZPLD1 (NM\_175056) Human Recombinant Protein**

#### **Product data:**

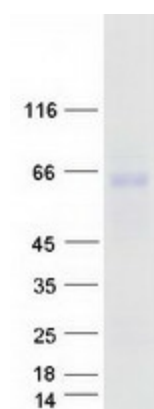
|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Type:</b>                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description:</b>                          | Recombinant protein of human zona pellucida-like domain containing 1 (ZPLD1), 1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species:</b>                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Expression Host:</b>                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression cDNA Clone or AA Sequence:</b> | >RC215551 representing NM_175056<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                              | <br>MMLRFSMCRGNDEGFAMEQIWLLLLLTIRVLPGSAQFNGYNCDANLHSRFP AERDISVYCGVQAITMKIN<br>FCTVLFSGYSETDLALNGRHGD SHCRGFINNNTFPAVVIFIINLSTLEGCGNNLVSTIPGVSAYGNATS<br>VQVGNISGYIDTPDPPTIISYLPGLLYKFSCSYPLEYLVNNTQLASSSAAISVRENNGTFVSTLNLLLYN<br>DSTYNQQLIIPSIGLPLKTKVFAAVQATNLDGRWNVLMDYCYTTPSGNPNDDIRYDLFLSCDKDPQTTVI<br>ENGRSQRGRFSFEVFRFVKHKNQKMSTVFLHCVTKLCRADD CPFLMPICSHRERRDAGRRTTWSPQSSS<br>G<br>SAVLSAGPIITRSDETPTNNSQLGSPSMPPFQLNAITSALISGMVILGVTFSFLLCSLALLHRKGPTSL<br>VLNGIRNPVFD<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| <b>Tag:</b>                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Predicted MW:</b>                         | 47.2 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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.                                                                                                                                                                                                                                                                                                                                                                                  |



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|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq:           | <u>NP_778226</u>                                                                                                                                |
| Locus ID:         | 131368                                                                                                                                          |
| UniProt ID:       | <u>Q8TCW7</u>                                                                                                                                   |
| RefSeq Size:      | 3639                                                                                                                                            |
| Cytogenetics:     | 3q12.3                                                                                                                                          |
| RefSeq ORF:       | 1293                                                                                                                                            |
| Summary:          | Glycoprotein which is a component of the gelatinous extracellular matrix in the cupulae of the vestibular organ.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Transmembrane                                                                                                                                   |

### Product images:



Coomassie blue staining of purified ZPLD1 protein (Cat# [TP315551]). The protein was produced from HEK293T cells transfected with ZPLD1 cDNA clone (Cat# [RC215551]) using MegaTran 2.0 (Cat# [TT210002]).