

## Product datasheet for **TP312668L**

### **MOG1 (RANGRF) (NM\_016492) Human Recombinant Protein**

#### Product data:

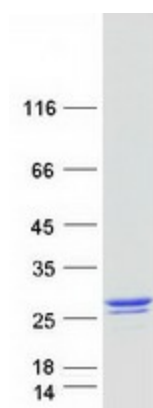
|                                       |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                            |
| Description:                          | Recombinant protein of human RAN guanine nucleotide release factor (RANGRF), 1 mg                                                                                                                                                                                                                                                               |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                           |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                         |
| Expression cDNA Clone or AA Sequence: | >RC212668 representing NM_016492<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MEPTRDCPLFGGAFFSAILPMGAIDVSDLRPVPDNQEVFCHPVTQDQSLIVELLELAHVHRGEAAARYHFED<br>VGGVQGARAVHVESVQPLSLENLALRGRCQEAWVLSGKQQIAKENQQVAKDVTLHQALLRLPQYQTDLL<br>L<br>TFNQPPPDNRSSLGPENLSPAPWSLGDFEQLVTSLLHDPNIFGPQ<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                       |
| Predicted MW:                         | 20.3 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_057576</a></u>                                                                                                                                                                                                                                                                                                                |
| Locus ID:                             | 29098                                                                                                                                                                                                                                                                                                                                           |
| UniProt ID:                           | <u><a href="#">Q9HD47</a></u>                                                                                                                                                                                                                                                                                                                   |



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|               |                                                                                                                                                                                                                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size:  | 847                                                                                                                                                                                                                                                                                                 |
| Cytogenetics: | 17p13.1                                                                                                                                                                                                                                                                                             |
| RefSeq ORF:   | 558                                                                                                                                                                                                                                                                                                 |
| Synonyms:     | HSPC165; HSPC236; MOG1; RANGNRF                                                                                                                                                                                                                                                                     |
| Summary:      | This gene encodes a protein that has been shown to function as a guanine nucleotide release factor in mouse and to regulate the expression and function of the Nav1.5 cardiac sodium channel in human. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010] |

### Product images:



Coomassie blue staining of purified RANGRF protein (Cat# [TP312668]). The protein was produced from HEK293T cells transfected with RANGRF cDNA clone (Cat# [RC212668]) using MegaTran 2.0 (Cat# [TT210002]).