

## Recombinant Human RANGRF Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RANGRF-4421H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RANGRF MS Standard C13 and N15-labeled recombinant protein (NP_057576) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 20.3 kDa                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MEPTRDCPLFGGAFFSAILPMGAIDVSDLRPVPDNQEVFCHPVTQSLIVELLEQLAH<br>VRGEAAARYHFEDVGGVQGARAVHVESVQPLSLENLALRGRCQEAWVLSGKQQA<br>KENQQVAKDVTLLHQALLRLPQYQTDLLLTFNQPPPDNRSSLGPENLSPAPWSLGDF<br>EQLVTSLLHDPNIFGPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                 |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                           |

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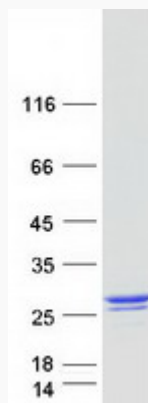
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|                         |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                             |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | RANGRF RAN guanine nucleotide release factor [ Homo sapiens (human) ]                                                                                                                                                   |
| <b>Official Symbol</b>  | RANGRF                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | RANGRF; RAN guanine nucleotide release factor; ran guanine nucleotide release factor; HSPC165; HSPC236; MOG1; MOG1 homolog (S. cerevisiae); RANGNRF; MOG1 homolog; ran-binding protein MOG1; MGC110973; DKFZp686F02139; |
| <b>Gene ID</b>          | 29098                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_016492                                                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_057576                                                                                                                                                                                                               |
| <b>MIM</b>              | 607954                                                                                                                                                                                                                  |
| <b>UniProt ID</b>       | Q9HD47                                                                                                                                                                                                                  |

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**SDS-PAGE**

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