

## Active Recombinant Viral B18R Protein

**Cat. No.** B18R-174    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant viral B18R (His20-Glu351) protein with Fc region of human Human IgG1 (Pro100-Lys300) at N-terminus was expressed in Human embryonic kidney cell, HEK293.                 |
| <b>Species</b>                      | Virus                                                                                                                                                                                |
| <b>Source</b>                       | HEK293                                                                                                                                                                               |
| <b>ProteinLength</b>                | 20-351 a.a.                                                                                                                                                                          |
| <b>Description</b>                  | Counteracts the antiviral effects of host IFN-alpha/beta. Acts as a soluble IFN-alpha receptor and thus inhibits the interaction between host IFN-alpha and its receptor.            |
| <b>Form</b>                         | Disulfide-linked homodimer                                                                                                                                                           |
| <b>Bio-activity</b>                 | Measured by its ability to inhibit Type-I IFN-mediated anti-viral activity. The ED50 for this effect, as measured by inhibition of recombinant Human IFN- alpha 2, is 0.3-1.8 ng/mL. |
| <b>Molecular Mass</b>               | 65 kDa                                                                                                                                                                               |
| <b>N-terminal Sequence Analysis</b> | Met-Asp-Pro100                                                                                                                                                                       |
| <b>Endotoxin</b>                    | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                             |
| <b>Storage</b>          | Avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.<br>3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                     |
| <b>Preservative</b>     | Reconstitute at 500 µg/mL in PBS.                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | B19R temporal expression: early [ Vaccinia virus ]                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | B19R                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>         | IFN-alpha/beta-receptor-like secreted glycoprotein; similar to VACCP-B19R; host defense modulator [VACWR-B18R]; B18R; B19R                                                                                                                                              |
| <b>Gene ID</b>          | 3707577                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | P25213                                                                                                                                                                                                                                                                  |