

Active Recombinant Viral B18R Protein

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

SPECIFICATION

Product Overview	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.
Species	Virus
Source	HEK293
ProteinLength	20-351 a.a.
Description	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.
Form	Disulfide-linked homodimer
Bio-activity	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.
Molecular Mass	65 kDa
N-terminal Sequence Analysis	Met-Asp-Pro100
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

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