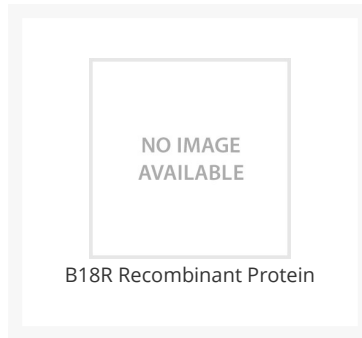




# B18R Recombinant Protein

Cat. No.: 92-624



## Ψ Specifications

<b>SPECIES:</b>	Vacciniavirus
<b>SOURCE SPECIES:</b>	Human Cells
<b>SEQUENCE:</b>	His20-Glu351
<b>FUSION TAG:</b>	C-6 His tag
<b>TESTED APPLICATIONS:</b>	
<b>APPLICATIONS:</b>	This recombinant protein can be used for biological assays. For research use only.
<b>PREDICTED MOLECULAR WEIGHT:</b>	39.2 kD

## Ψ Properties

<b>PURITY:</b>	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.

<b>STORAGE CONDITIONS:</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
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## Additional Info

<b>OFFICIAL SYMBOL:</b>	B19R
<b>ALTERNATE NAMES:</b>	Soluble interferon alpha/beta receptor B18, VACWR200
<b>ACCESSION NO.:</b>	P25213
<b>GENE ID:</b>	3707577

## Background and References

<b>BACKGROUND:</b>	B18R, also known as B19R in the Copenhagen strain of Vaccinia, is a type I interferon (IFN)-binding protein encoded by the B18R open reading frame in the Western Reserve strain of vaccinia virus. B18R exists in two forms, soluble and membrane-bound form and also has a broad species specificity. B18R has high affinity for human IFN-alpha and also binds rabbit, bovine, rat, pig, and mouse IFN-alpha and IFN-beta. Secreted B18R binds to uninfected and infected cells. B18R presents at the cell surface and protects cells from the antiviral state. It has shown that binding of soluble recombinant B18R protects cultured cells from IFN and allows vaccinia virus replication.
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