

# Human CellExp™ Vaccinia Virus B18R

<b>CATALOG #:</b>	8016-10	10 µg
<b>ALTERNATE NAMES:</b>	B18R	
<b>SOURCE:</b>	HEK 293 cells (His 20 – Glu 351)	
<b>PURITY:</b>	≥ 95% by SDS-PAGE gel	

**MOL. WEIGHT:** This protein is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 40.3 kDa. The predicted N-terminus is His 20. DTT-reduced Protein migrates as 50-60 kDa in SDS-PAGE due to glycosylation.

**ENDOTOXIN LEVEL:** < 1.0 EU per µg of the protein by the LAL method.

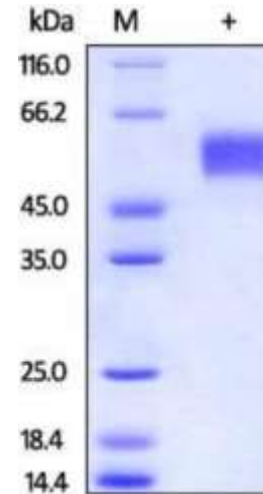
**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C or -70°C for up to 3 months. Avoid repeated freezing and thawing cycles. No activity loss was observed after storage in lyophilized state for 1 year (4°C) and after reconstitution under sterile conditions for 3 months (-70°C).

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

**DESCRIPTION:** B18R is a type I interferon (IFN)-binding protein and it is encoded by the B18R open reading frame in the WR (Western Reserve) strain of vaccinia virus, which contains two Ig-like C2-type domains and one Ig-like V-type domain. B18R exists in a soluble and a membrane-bound form. As a type I IFN receptor, B18R counteracts the antiviral effects of host IFN-alpha/beta. Also, B18R acts as a soluble IFN-alpha receptor and thus inhibits the interaction between host IFN-alpha and its receptor.



**Human recombinant Vaccinia virus.** The purity of Vaccinia Virus B18R, His Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

## RELATED PRODUCTS:

- Human CellExp™ CD71, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD33, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)
- Human CellExp™ CD360, human recombinant (**Cat. No. 7373-20, -100**)
- Human CellExp™ CD244, human recombinant (**Cat. No. 7374-10, -50**)
- Human CellExp™ CD304, human recombinant (**Cat. No. 7375-10**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**