

Recombinant Vaccinia Virus B18R protein, His-tagged

Cat. No. B18R-641V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Vaccinia Virus B18R (His20-Glu351) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	VACV
Source	HEK293
ProteinLength	His20-Glu351
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.
Predicted N Terminal	His20
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 40.3 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

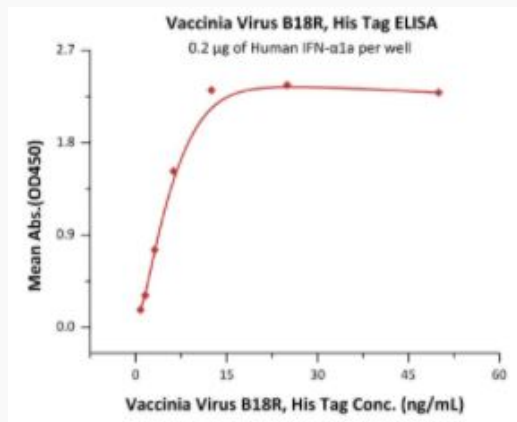
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

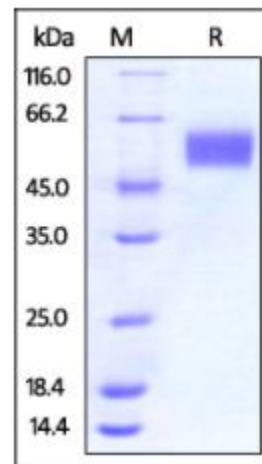
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	B18R
Official Symbol	B18R
Synonyms	VACWR200
Gene ID	3707576
Protein Refseq	YP_233081.1
UniProt ID	P25213

Bioactivity-ELISA of B18R-641V



Immobilized Human IFN-α1a at 2 µg/mL (100 µL/well) can bind Vaccinia Virus B18R, His Tag with a linear range of 0.8-6 ng/mL (QC tested).

SDS-PAGE of B18R- 641V



Vaccinia Virus B18R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.