

Recombinant Vaccinia virus Soluble Interferon α/β Receptor B18 Protein (His Tag)

Catalog No. PKSQ050089

Note: Centrifuge before opening to ensure complete recovery of vial contents.

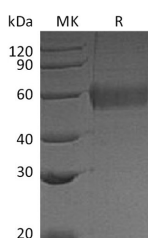
Description

Synonyms	Soluble interferon alpha/beta receptor B18;VACWR200
Species	Vaccinia virus
Expression Host	HEK293 Cells
Sequence	His20-Glu351
Accession	P25213
Calculated Molecular Weight	39.2 kDa
Observed molecular weight	50-65 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

For Research Use Only

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.