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

Catalog Number: PKSQ050089

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

Description

Species Vaccinia virus

Source HEK293 Cells-derived Vaccinia virus Interferon αβ Receptor B18 protein His 20-Glu 351,

with an C-terminal His

 Calculated MW
 39.2 kDa

 Observed MW
 50-65 kDa

 Accession
 P25213

Bio-activity Not validated for activity

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.

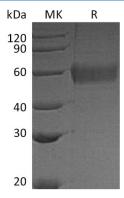
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

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 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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