Recombinant Vaccinia Virus B18R / B19R Protein (His Tag)

Catalog Number: PKSV030257

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

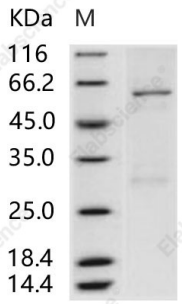
Description

Species	Vaccinia virus
Source	Baculovirus-Insect Cells-derived Vaccinia Virus Vaccinia Virus B18R / B19R protein Met1-Glu351, with an C-terminal His
Calculated MW	39.8 kDa
Observed MW	46 kDa
Accession	P25213
Bio-activity	Not validated for activity

Properties

Purity	> 90 % 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 sterile 20 mM Tris, 300 mM NaCl, 10% Glycerol, pH 8.0.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

B18R is a type I interferon (IFN)-binding protein, which is encoded by the B18R open reading frame in the WR (WesternReserve)strain of vaccinia virus. Itis alsoknownasB19RintheCopenhagenstrainofVaccinia. B18R exists in a soluble and a membrane-bound form. As a type I IFN receptor, B18R has a broad species specificity. It has high affinity for human IFN-alpha and also binds rabbit, bovine, rat, pig, and mouse IFN-alpha and IFN-beta. It has been shown that secreted B18R binds to uninfected and infected cells. It presents at the cell surface and protects cells from the antiviral state induced by IFN-alpha and IFN-beta. Binding of soluble recombinant B18R protects cultured cells from IFN and allows vaccinia virus replication.

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