

Recombinant Vaccinia virus B18R Protein, His-tagged

Cat. No. B19R-641V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This Vaccinia virus B18R protein is derived from B18R gene of the Western reserve strain (Accession # P25213) expressing His20- Glu351, and is fused with a polyhistidine tag at the C-terminus.
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Species	VACV
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Source	HEK293
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ProteinLength	20-351 a.a.
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Description	Vaccinia virus is a large, complex, enveloped virus belonging to the poxvirus family. Poxviruses are unique among DNA viruses because they replicate only in the cytoplasm of the host cell, outside of the nucleus. Therefore, the large genome is required for encoding various enzymes and proteins involved in viral DNA replication and gene transcription. The close similarity of Vaccinia virus to smallpox virus led to its use as a vaccination to prevent smallpox. Vaccinia virus infection in healthy individuals is generally asymptomatic, or perhaps with a mild fever and rash. It does, however, produce lasting immunity against other pox viruses, including smallpox. Vaccinia virus has therefore been used as a live vaccine against smallpox, and although now not widely used it remains in use for healthcare workers, the US military, and researchers working with pox viruses. The use of the vaccine is associated with very rare, but severe side-effects, primarily in immunocompromised individuals.
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Purity	>90% pure by SDS-PAGE
Storage	Store lyophilized product at 4 centigrade for short term, or frozen at -20 centigrade to -80 centigrade for long term.
Reconstitution	It is recommended to reconstitute the protein by adding 250ul sterile PBS, pH7 to a stock solution of 200µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. We recommend the addition of carrier protein (0.1% (w/v) BSA) for further dilution and long term storage. Concentration: Dependent upon reconstitution volume.

GENE INFORMATION

Gene Name	B19R temporal expression: early [Vaccinia virus]
Official Symbol	B19R
Synonyms	B19R; IFN-alpha/beta-receptor-like secreted glycoprotein; VACWR200
Gene ID	3707577
UniProt ID	P25213

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