Recombinant Influenza (B/Massachusetts 02/2012) IBVM0212 protein

Cat. No. IBVM0212-232I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full-Length B/ Massachusetts 02/2012 is glycosylated with N-linked sugars, produced using baculovirus vectors in insect cells.
Species	Influenza B virus
Source	Insect Cells
Description	Influenza-B virus is a genus in the virusfamily Orthomyxoviridae. The only species in this genus is called "Influenza B virus". Influenza B virus only infects humansand seals. This limited host range is apparently in contrast with those caused by the similar Influenza virus Aas both mutate by both genetic drift and reassortment. Influenza-B virus evolves slower than A viruses and faster than C viruses. Influenza-B virus mutates at a rate 2-3 times lower than type A. However, influenza B mutates enough that lasting immunity is not possible. The Influenza B virus capsidis enveloped while its virionconsists of a matrix protein + envelope + nucleoprotein complex + nucleocapsid, and a polymerasecomplex. Influenza B is sometimes spherical and sometimes filamentous. Its 500 or so surface projections are made of hemagglutinin and neuraminidase. The Influenza B virus is 14648 nucleotideslong and consists of eight segments of linear negative-sense, single-stranded RNA. The multipartite genome is encapsidated, each segment in a separate nucleocapsid, and the nucleocapsids are surrounded by one envelope.

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Form	Sterile Filtered colorless solution. The Recombinant BMassachusetts 02/2012 solution contains 10mM Sodium phosphate, pH 7.1,150mM NaCl and 0.005% Tween-20.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	B/ Massachusetts 02/2012 recombinant should be stored at 4°C. Do not freeze!
Shipping	Ice Packs

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