

West Nile Virus (WNV) (lineage 1, strain NY99) E/Envelope Protein (His)

General Information

Synonyms:	WNV-E Protein
Protein Construction:	A DNA sequence encoding the domain III of the West Nile virus (WNV)((lineage 1, strain NY99) envelope glycoprotein (E) (ABA62343.1) (Gln586-Ile694) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Gln 586
Species:	WNV
Expression Host:	P. pastoris (Yeast)
Accession:	ABA62343.1
Molecular Weight:	12.9 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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