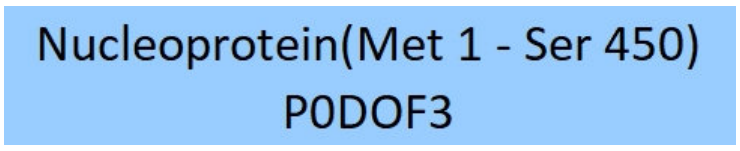
Rabies virus (strain ERA) Nucleoprotein, Tag Free

Catalog # NUN-R52H3

Source

Rabies virus (strain ERA) Nucleoprotein, Tag Free(NUN-R52H3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ser 450 (Accession # P0DOF3).
Predicted N-terminus: Gly

Molecular Characterization



This protein carries no "tag".

The protein has a calculated MW of 50.7 kDa. The protein migrates as Band dispersion when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>70% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

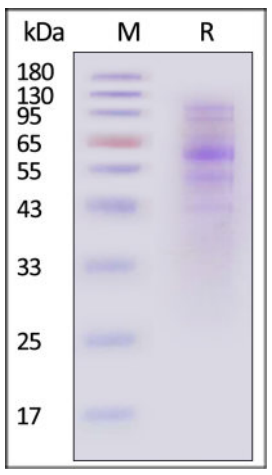
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

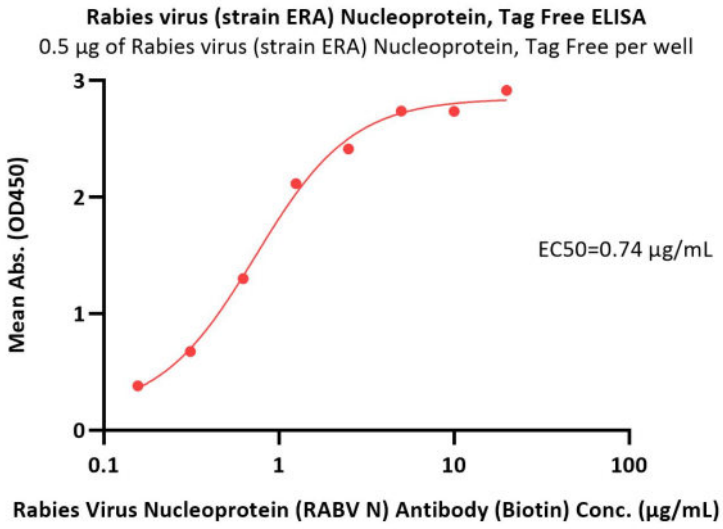
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Rabies virus (strain ERA) Nucleoprotein, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 70% (With Star Ribbon Pre-stained Protein Marker).

Bioactivity-ELISA



Immobilized Rabies virus (strain ERA) Nucleoprotein, Tag Free (Cat. No. NUN-R52H3) at 5 μg/mL (100 μL/well) can bind Rabies Virus Nucleoprotein (RABV N) Antibody (Biotin) with a linear range of 0.156-1.25 μg/mL (QC tested).

Background

Rabies virus (RABV), scientific name Rabies lyssavirus, is a deadly neurotropic virus that causes rabies in humans and animals. Rabies virus has an extremely wide host range and its transmission most often occur through the saliva of animals. Without intervention prior to disease progression, rabies has the highest case fatality of any infectious disease. RABV contains a single-stranded negative-sense RNA genome that encodes five structural proteins: nucleoprotein (N), phosphoprotein (P), matrix protein (M), glycoprotein (G), and RNA-dependent RNA polymerase (L). Among these viral proteins, the RABV glycoprotein (RABV-G) is a pivotal player mediating virus entry and the major target of neutralizing antibodies, thus a key factor for vaccine and drug design.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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