

Synonym

HN protein

Source

Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag(HNN-M52H3) is expressed from human 293 cells (HEK293). It contains AA Gly 106 - Thr 582 (Accession # [P11235](#)).

Predicted N-terminus: Gly 106

Molecular Characterization

HN protein(Gly 106 - Thr 582) P11235	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 54.6 kDa. The protein migrates as 66-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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.

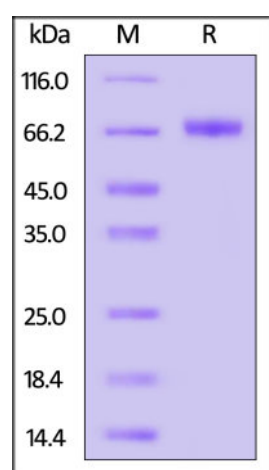
Storage

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

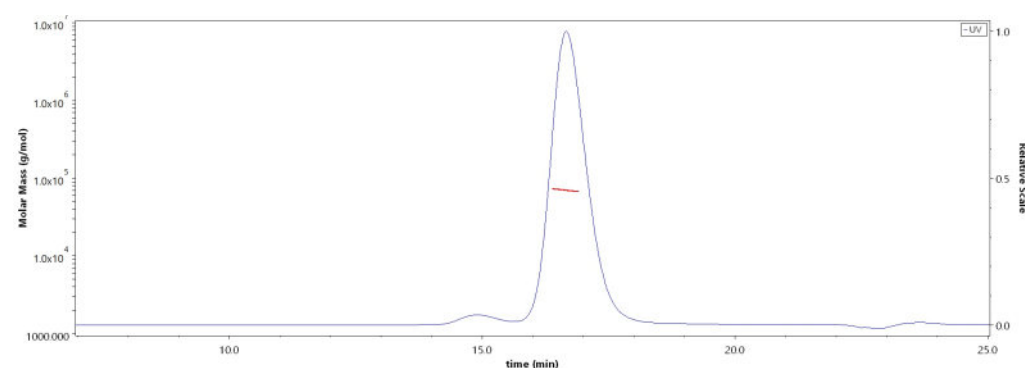
Please avoid repeated freeze-thaw cycles.

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.

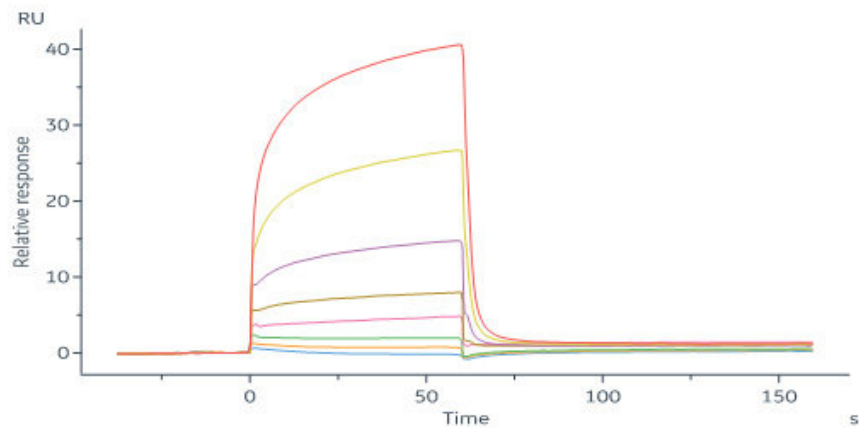
SDS-PAGE

Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-SPR**SEC-MALS**

The purity of Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag (Cat. No. HNN-M52H3) is more than 90% and the molecular weight of this protein is around 63-78 kDa verified by SEC-MALS.

[Report](#)



Mumps virus (strain Miyahara vaccine) (MuV) HN Protein, His Tag (Cat. No. HNN-M52H3) immobilized on CM5 Chip can bind 3'-Sialyllactose / GM3 Ganglioside oligosaccharide with an affinity constant of 586 μ M as determined in a SPR assay (Biacore 8K) (QC tested).

Background

Mumps immunity is typically assessed by measuring neutralizing-antibody responses directed against mumps HN and F proteins.

Clinical and Translational Updates

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