



## Synonym

Fusion glycoprotein F0

## Source

Mumps virus (strain Miyahara vaccine) (MuV) Fusion glycoprotein F0, His Tag(RSF-V52H4) is expressed from human 293 cells (HEK293). It contains AA Val 20 - ILe 486(FAGIAIGIA 103-111del) (Accession # [P11236](#) (FAGIAIGIA 103-111del)).

Predicted N-terminus: Val 20

## Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 51.9 kDa. The protein migrates as 53-63 kDa 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

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS 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

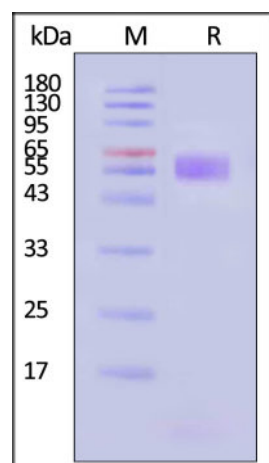
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

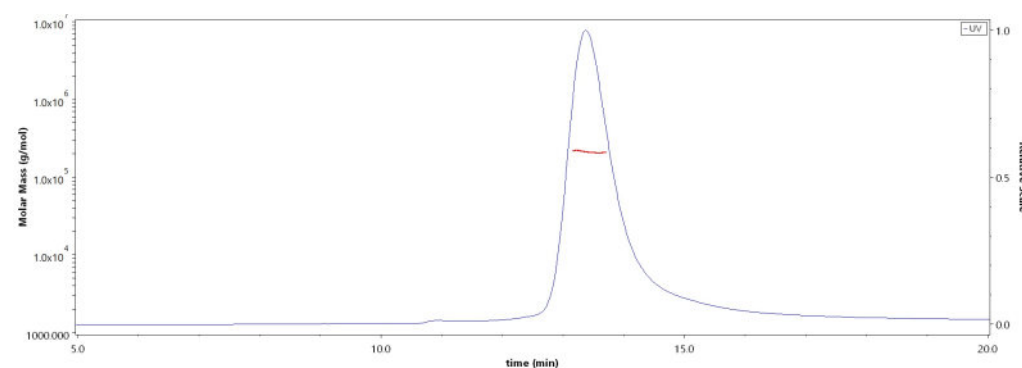
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Mumps virus (strain Miyahara vaccine) (MuV) Fusion glycoprotein F0, 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% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of Mumps virus (strain Miyahara vaccine) (MuV) Fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H4) is more than 85% and the molecular weight of this protein is around 185-215 kDa verified by SEC-MALS.

[Report](#)

## Background

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

## Clinical and Translational Updates

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# Mumps virus (strain Miyahara vaccine) (MuV) Fusion glycoprotein F0, His Tag (MALS verified)

Catalog # RSF-V52H4



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