

Recombinant MERS-CoV Spike protein(Glu367-Tyr606), His&Avi-tagged, Biotinylated

Cat. No. Spike-1173M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant MERS-CoV spike (AFS88936.1) (Glu367-Tyr606) was expressed in HEK293 with a c-terminal AVI tagged polyhistidine tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.
Species	MERS-CoV
Source	HEK293
ProteinLength	Glu367-Tyr606
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant MERS-CoV spike consists of 267 amino acids and predicts a molecular mass of 29.6 kDa. As a result of glycosylation, it migrates as an approximately 37.9 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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