

## Active Recombinant MERS-CoV Spike protein, His-tagged

**Cat. No.** Spike-0365M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant MERS-CoV Spike protein(Met1-Glu725)(AFS88936.1), fused with His tag, was expressed in HEK293.
<b>Species</b>	MERS-CoV
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Glu725
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Spike Protein S1 (aa 1-725) at 2 µg/ml (100 µl/well) can bind biotinylated Fc-DPP4. The EC50 of biotinylated Fc-DPP4 is 15-60 ng/ml.
<b>Molecular Mass</b>	The recombinant spike protein S1 Subunit MERS-CoV comprises 719 amino acids and has a predicted molecular mass of 79.9 kDa. As a result of glycosylation, it migrates as an approximately 94 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 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.

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