Recombinant HCoV-OC43 Spike (S1+S2 ECD) protein(Met1-Pro1304), His-tagged

Cat. No. Spike-1226V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human coronavirus (HCoV-OC43) spike protein (S1+S2 ECD) (AVR40344.1) (Met1-Pro1304) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	HCoV-OC43
Source	Insect Cells
ProteinLength	Met1-Pro1304
Form	Lyophilized from sterile 20 mM PB, 300 mM NaCl, 10 % glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human coronavirus (HCoV-OC43) spike protein (S1+S2 ECD, His Tag) consists of 1303 amino acids and predicts a molecular mass of 145.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE.
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.

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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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