

Recombinant HCoV-229E Spike S1+S2 protein(Cys16-Trp1115), His-tagged, Biotinylated

Cat. No. Spike-1308V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human coronavirus (HCoV-229E) spike protein (S1+S2 ECD) (APT69883.1) (Cys16-Trp1115) was expressed in Insect Cells with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.
Species	HCoV
Source	Insect Cells
ProteinLength	Cys16-Trp1115
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS (contains 300 mM NaCl), pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human coronavirus (HCoV-229E) spike S1+S2 consists of 1111 amino acids and predicts a molecular mass of 122.1 kDa. It migrates as an approximately 119 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % 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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