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CoV HKU1 Human

Coronavirus HKU1 Nucleoprotein Human Recombinant
VAG0060

Product Overview

Name	CoV HKU1 Human

Description

Coronavirus HKU1 Nucleoprotein Human Recombinant

Accession (Primary)	Q5MQC6

Introduction

CoV HKU1 is 1 from 7 known coronaviruses to infect humans including CoV-229E, CoV-NL63, CoVHKU1, MERS-CoV, the original SARS-CoV1, and SARS-CoV-2 (Covid 19). CoV-229E, beta-coronavirus, NL63, CoV-HKU1 and OC43 are the viruses responsible for the common cold. Beta-coronaviruses has an additional shorter spike-like protein called hemagglutinin esterase. Human coronavirus HKU1 (CoV-HKU1) belongs to beta-coronavirus which are enveloped, positive-sense, single stranded RNA and enters its host celll by binding to the N-acetyl9-O-acetyl neuraminic acid receptor.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CoV HKU1 protein solution contains PBS and 25mM K 2 CO 3.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Protein is >90% pure as determined by 10% PAGE (coomassie staining).

Amino acid sequence

SERNYQTFNR GRKTQPKFTV STQPQGNTIP HYSWFSGITQ FQKGRDFKFS DGQGVPIAFG VPPSEAKGYW YRHSRRSFKT ADGQQKQLLP RWYFYYLGTG PYANASYGES LEGVFWVANH QADTSTPSDV SSRDPTTQEA IPTRFPPGTI LPQGYYVEGS GRSASNSRPG SRSQSRGPNN RSLSRSNSNF RHSDSIVKPD ADEIANLVL AKLGKESKPQ QVTKQNAKEI RHKILTKPRQ KRTPNKHCNV QQCFGKRGPS QNFGNAEMLK LGTNDPQFPI LAELAPTPGA FFFGSKLDLV KRDSEADSPV KDVFELHYSG SIRFDSTLPG FETIMKVLEE NLNAYVNSNQ

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NTDSDSLSSK PQRKRGVKQL PEQFDSLNLS AGTQHISNDF TPEDHSLLAT LDDPYVEDSV A

Applications

Immunoassay.

Precautions

CoV HKU1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q5MQC6)