

## 32-13822: CoV HKU1 Human

### Description

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Biological Activity: null

CoV HKU1 is 1 from 7 known coronaviruses to infect humans including CoV-229E, CoV-NL63, CoV-HKU1, 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-coronavirus 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 cell by binding to the N-acetyl9-O-acetyl neuraminic acid receptor.

Recombinant Human Coronavirus HKU1 Nucleoprotein is full length protein except the predicted signal peptide of the first 30 aa produced in E.coli and migrate at 50kDa. The CoV HKU1 is fused to a 6xHis tag at its C terminal and purified by proprietary chromatographic technique.

### Product Info

**Amount :** 0.5 mg / 100 µg

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

**Storage condition :** 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.

**Amino Acid :** SERNYQTFNR GRKTQPKFTV STQPQGNTIP HYSWFSGITQ FQKGRDFKFS DGQGVPIAFG  
VPPSEAKGYW YRHSRRSFKT ADGQKQLLP RWYFYLLGTG PYANASYGES LEGVFWVANH  
QADTSTPSDV SSRDPTTQEA IPTRFPPGTI LPQGYVEGS GRSASNSRPG SRSQSRGPNN  
RSLRSNSNF RHSDSIVKPD ADEIANLVL AKLGKESKPQ QVTKQNAKEI RHKILTKPRQ  
KRTPNKHCNV QQCFCGKRGPS QNFGNAEMLK LGTNDPQFPI LAELAPTPGA FFFGSKLDLV  
KRDSEADSPV KDVFEHLYSG SIRFDSTLPG FETIMKVL EE NLNAYVNSNQ NTDSDSLSSK  
PQRKRGVKQL PEQFDSLNL AGTQHISNDF TPEDHSLLAT LDDPYVEDSV A