

## 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, 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 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 ADGQQKQLLP RWYFYLLGTG PYANASYGES LEGVFWVANH QADTSTPSDV SSRDPTTQEA IPTRFPPGTI LPQGYVEGS GRSASNSRPG SRSQSRGPNN RLSRSNSNF RHSDSIVKPD ADEIANLVL AKLGKESKPQ QVTKQNAKEI RHKILTKPRQ KRTPNKHCNV QQCFGKRGPS QNFGNAEMLK LGTNDPQFPI LAELAPTPGA FFFGSKLDLV KRDSEADSPV KDFVFLHYSG SIRFDSTLPG FETIMKVLEE NLNAYVNSNQ NTDSDSLSSK PQRKRGVKQL PEQFDSLNLNLS AGTQHISNDF TPEDHSLLAT LDDPYVEDSV A