

## PRODUCT INFORMATION

### SARS-CoV-2 Spike Protein (Soluble Spike), His-Tag (CHO)

#### Description:

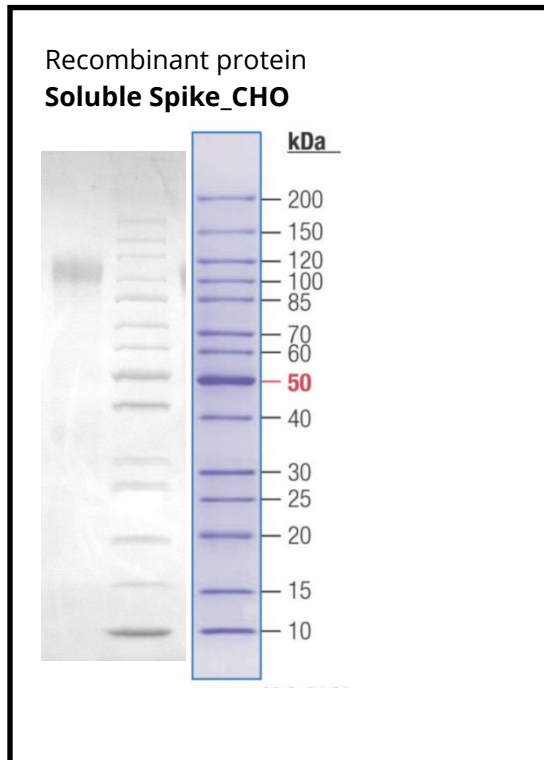
InVivo offers a recombinant form of the Spike protein from severe acute respiratory syndrome-related coronavirus (SARS-CoV-2), Wuhan-Hu-1-isolate (MN908947), which is produced under serum-free conditions in CHO cells (InVivo proprietary optimized; Chinese hamster ovary cells).

The construct contains the SARS-CoV-2 Spike protein, representing amino acid residues 1 to 1213 of before mentioned annotation. The protein contains a mutated polybasic/ furin cleavage site (682-RRAR-685) to Alanine, and mutations K986P / V987P for stabilization of the protein. The C-terminal transmembrane domain and endodomain were replaced by a thrombin cleavage site, a T4 trimerization site and a C-terminal hexa-His-tag. The recombinant protein is purified using immobilized metal exchange chromatography (IMAC) and preparative SEC (for polishing).

<b>Product-ID:</b>	Soluble Spike_CHO
<b>Expression System:</b>	Mammalian; CHO
<b>Protein Accession Number:</b>	GenBank: <a href="#">QHD43416.1</a> / UniProt: <a href="#">P0DTC2</a>
<b>Amino Acids:</b>	Met1-Pro1213, modified as mentioned above
<b>Mature Protein N-Term:</b>	Gln14 (predicted)
<b>Tag:</b>	6 x His-tag; C-terminal
<b>Expected Molecular Weight:</b>	138 kDa ( <i>glycosylated form of Soluble Spike_CHO runs at 100-150 kDa in SDS-Page</i> )
<b>Formulation:</b>	Liquid, 20 mM NaPP, 300 mM NaCl pH 7.2
<b>Concentration:</b>	≥ 0.5 mg/mL

**The product is for research use or for further manufacturing only.**

**Protein Mass (SDS-Page, under reducing conditions):**



**ELISA:**

