

# Cynomolgus ROR2/NTRKR2 Protein

Cat. No. ROR-CM102

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Cynomolgus ROR2/NTRKR2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu34-Met402.       |
| <b>Accession</b>        | A0A7N9D5U8  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 42.29 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1 EU per $\mu$ g by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

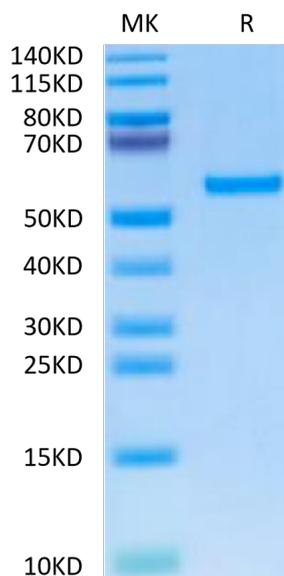
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

ROR2 (Receptor Tyrosine Kinase-like Orphan Receptor 2) is a member of the ROR family of receptor tyrosine kinases and is important for skeletal development, including bone and cartilage formation, as well as for the development of the central nervous system. Mature human ROR2 contains a 369 amino acid (aa) extracellular domain (ECD) and a 518 aa cytoplasmic tail containing an tyrosine kinase domain.

## Assay Data

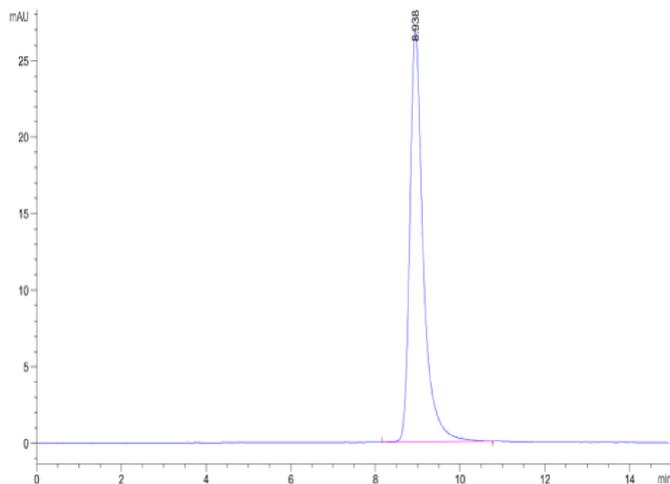
### Bis-Tris PAGE



Cynomolgus ROR2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

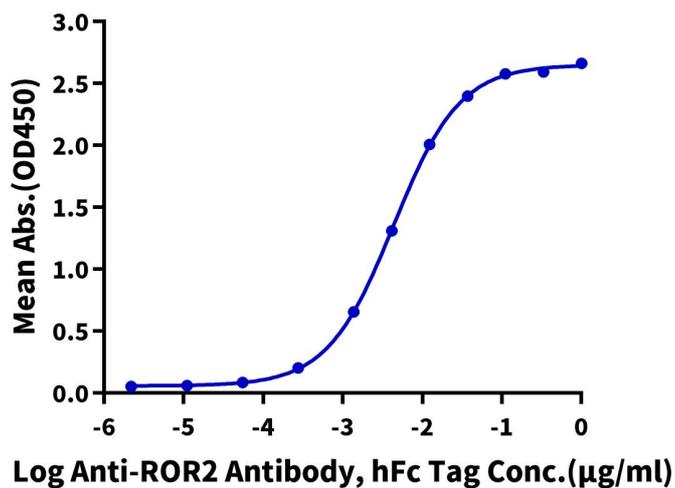


The purity of Cynomolgus ROR2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Cynomolgus ROR2, His Tag ELISA**

0.05µg Cynomolgus ROR2, His Tag Per Well



Immobilized Cynomolgus ROR2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-ROR2 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.