

# Biotinylated Human ROR2/NTRKR2 Protein

Cat. No. ROR-HM402B

## Description

<b>Source</b>	Recombinant Biotinylated Human ROR2/NTRKR2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Val34-Gly403.
<b>Accession</b>	A1L4F5
<b>Molecular Weight</b>	The protein has a predicted MW of 44.2 kDa. Due to glycosylation, the protein migrates to 54-65 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

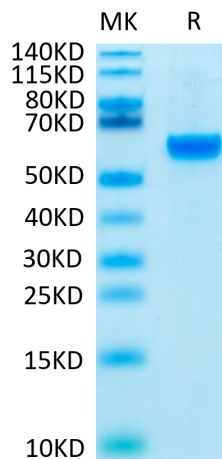
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

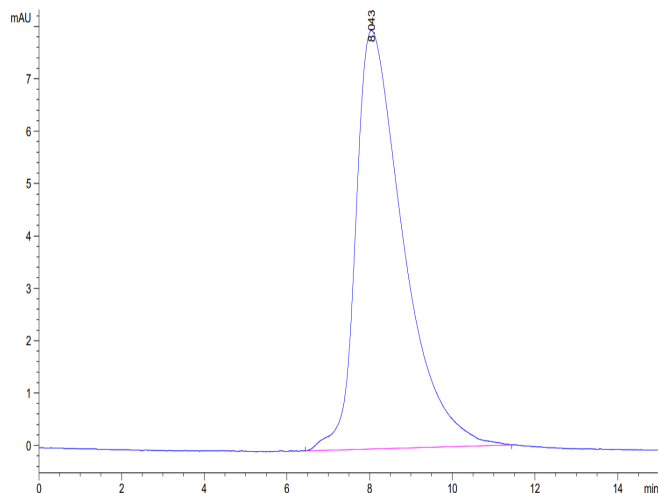
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data

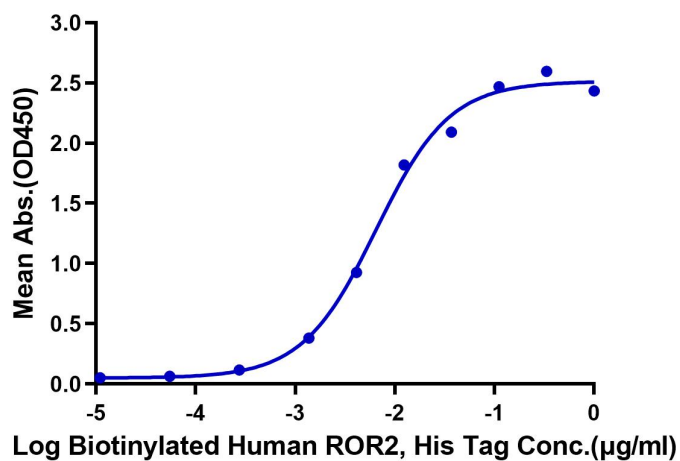


The purity of Biotinylated Human ROR2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Biotinylated Human ROR2, His Tag ELISA**

0.05µg Anti-ROR2 Antibody, hFc Tag Per Well



Immobilized Anti-ROR2 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ROR2, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA.