

# Human ROR1 Protein (ECD, His Tag)



Sino Biological  
Biological Solution Specialist

Catalog Number: 13968-H08H

## General Information

### Gene Name Synonym:

dJ537F10.1; NTRKR1

### Protein Construction:

A DNA sequence encoding the human ROR1 (NP\_005003.2) (Met1-Glu403) was expressed with a polyhistidine tag at the C-terminus.

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** ≥ 95% as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.

### Bio Activity:

1. Immobilized Anti-ROR1 Antibody, human IgG1 at 2 µg/mL (100 µL/well) can bind Recombinant Human ROR1 Protein (ECD, His Tag) (Cat: 13968-H08H), the EC<sub>50</sub> is 3.0-9.0 ng/mL.

2. Loaded Zilovetamab can bind Recombinant Human ROR1 Protein, His Tag (Cat. No. 13968-H08H) with an affinity constant of 19.3 nM as determined in BLI assay (Sartorius Octet RED384) (Routinely tested).

### Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

**Predicted N terminal:** Gln 30

### Molecular Mass:

The recombinant human ROR1 consists of 385 amino acids and predicts a molecular mass of 43.4 kDa. As a result of glycosylation, it migrates as an approximately 55-66 KDa band in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:

