

Datasheet for ABIN6964103

ROR1 Protein (AA 30-403) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ROR1
Protein Characteristics:	AA 30-403
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ROR1 Protein with C-terminal 6xHis tag
Specificity:	ROR1 (Gln30-Glu403) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	ROR1
Alternative Name:	ROR1 (ROR1 Products)
Background:	This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite

Target Details

growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]

Molecular Weight: predicted molecular mass of 42.8 kDa after removal of the signal peptide. The apparent molecular mass of ROR1-His is 55-70 kDa due to glycosylation.

Gene ID: 4919

UniProt: [Q01973](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Lipid Metabolism by PPARAlpha](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

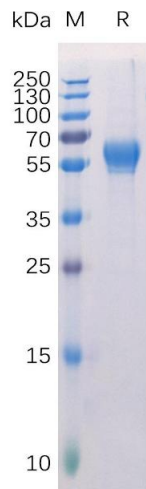
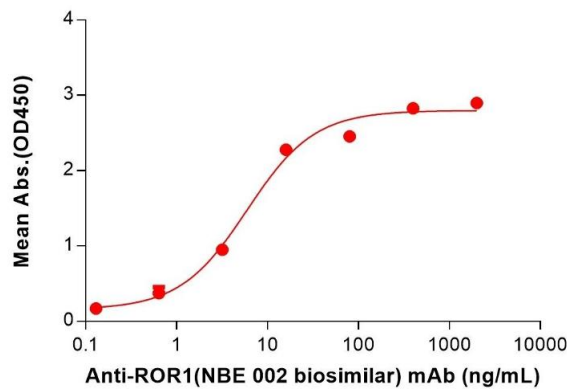
Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Human ROR1, His Tagged protein ELISA
0.2 µg of Human ROR1, His tagged protein per well



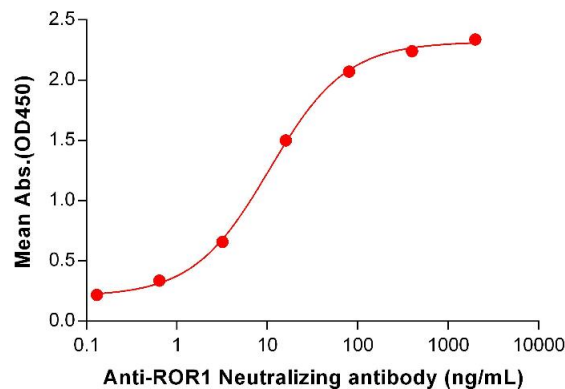
ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human Protein, His Tag (ABIN6964103, ABIN7042461 and ABIN7042462) can bind Anti-(NBE 002 biosimilar) mAb in a linear range of 0.64-16 ng/mL.

SDS-PAGE

Image 2. Human Protein, His Tag on SDS-PAGE under reducing condition.

Human ROR1, His tagged protein ELISA
0.1 µg of Human ROR1, His tagged protein per well



ELISA

Image 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human , His tagged protein (ABIN6964103, ABIN7042461 and ABIN7042462) can bind Anti- Neutralizing antibody ([getskuurl sku"ABIN7093085 and ABIN7272615"]) in a linear range of 0.64-16 µg/mL.