

Datasheet for ABIN7275535
ROR2 Protein (His-Avi Tag,Biotin)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ROR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROR2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Val34-Gly403
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	BDB, BDB1, NTRKR2, ROR2,ROR2 (Receptor Tyrosine Kinase-like Orphan Receptor 2) is a member of the ROR family of receptor tyrosine kinases and is important for skeletal

Target Details

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.

Molecular Weight: 44.2 kDa. Due to glycosylation, the protein migrates to 54-65 kDa based on Tris-Bis PAGE result.

UniProt: [A1L4F5](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

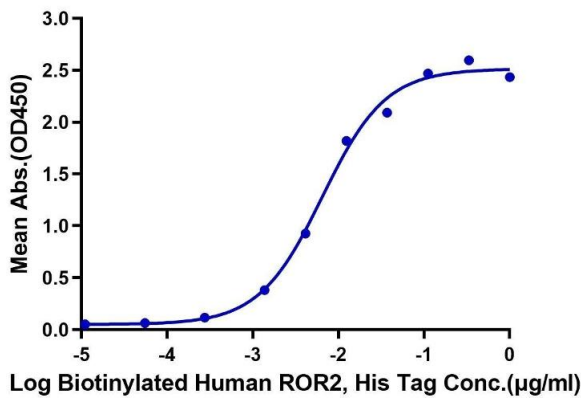
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

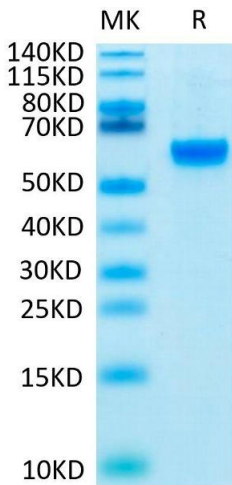
Expiry Date: 12 months

Biotinylated Human ROR2, His Tag ELISA
0.05µg Anti-ROR2 Antibody, hFc Tag Per Well



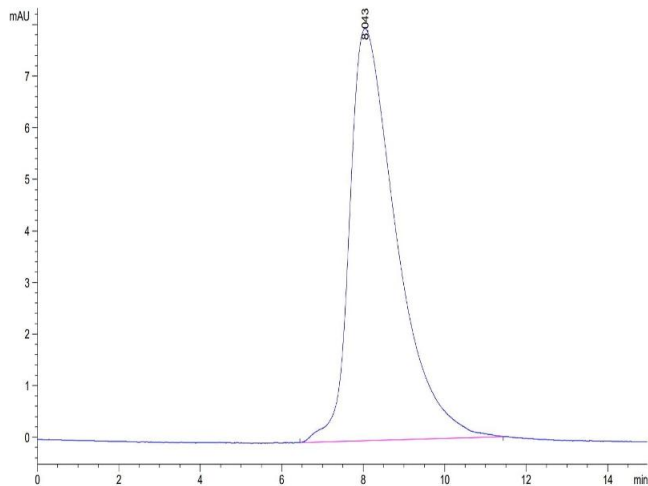
ELISA

Image 1. Immobilized Anti-ROR2 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human ROR2, hFc Tag with the EC50 of 6.5 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human ROR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human ROR2 is greater than 95 % as determined by SEC-HPLC.