

Datasheet for ABIN7275531
ROR2 Protein (AA 34-403) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	ROR2
Protein Characteristics:	AA 34-403
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Human ROR2/NTRKR2 Protein
Sequence:	Val34-Gly403
Characteristics:	Recombinant Human ROR2/NTRKR2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains 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 Human ROR2, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-ROR2 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA. See testing image for detail.

Target Details

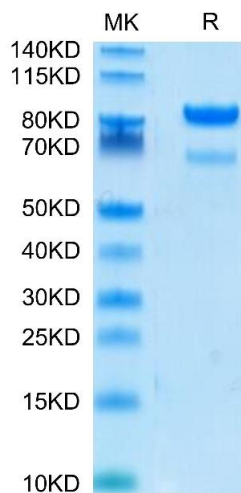
Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	ROR2 (Receptor Tyrosine Kinase-like Orphan Receptor 2) is a member of the ROR family of receptor tyrosine kinases and is important for skeletal development, including bone and cartilage formation, as well as for the development of the central 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.
Molecular Weight:	68 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
UniProt:	A1L4F5
Pathways:	RTK Signaling , WNT Signaling

Application Details

Restrictions:	For Research Use only
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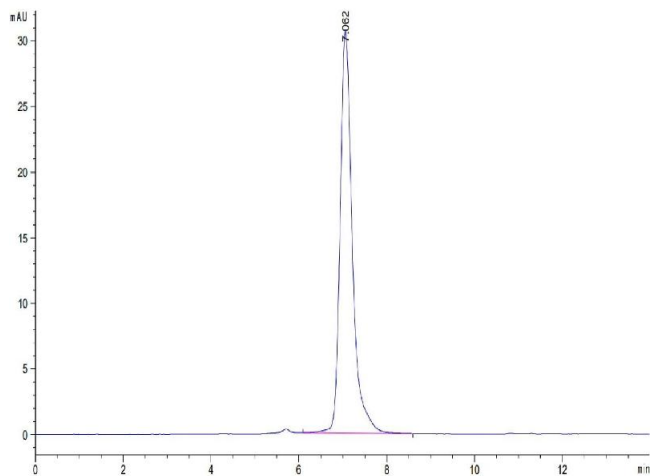
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

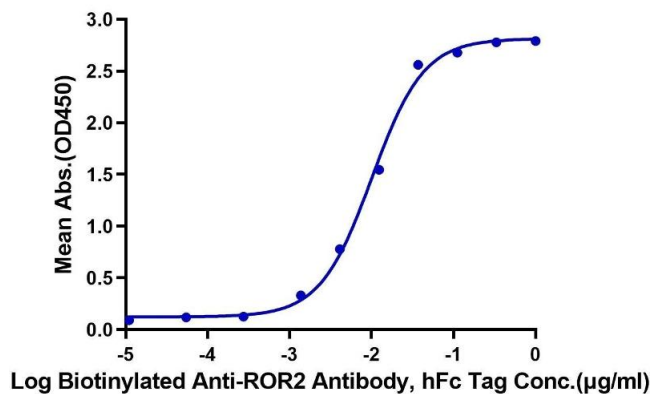
Image 1. Human ROR2 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human ROR2 is greater than 95 % as determined by SEC-HPLC.

Human ROR2, hFc Tag ELISA
0.05µg Human ROR2, hFc Tag Per Well



ELISA

Image 3. Immobilized Human ROR2, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-ROR2 Antibody, hFc Tag with the EC50 of 10.1 ng/mL determined by ELISA.