

Datasheet for ABIN7275530
ROR1 Protein (AA 30-403) (Fc Tag)

3 Images

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Overview

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

Product Details

Purpose:	Human/Cynomolgus/Rhesus macaque ROR1 Protein
Sequence:	Gln30-Glu403
Characteristics:	Recombinant Human/Cynomolgus/Rhesus macaque ROR1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln30-Glu403.
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/Cynomolgus/Rhesus macaque ROR1, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-ROR1 Antibody, hFc Tag with the EC50 of 16.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	ROR1
Alternative Name:	ROR1 (ROR1 Products)
Background:	ROR1 (Receptor tyrosine kinase-like orphan receptor 1), also known as neurotrophic tyrosine kinase receptor-related 1 (NTRKR1), is a member of the ROR family within receptor tyrosine kinases (RTK) superfamily. Two ROR family members (ROR1 and ROR2) have been identified and are characterized by the intracellular tyrosine kinase domains, highly related to those of the Trk-family receptor tyrosine kinases, and by the extracellular Frizzled-like cysteine-rich domains and kringle domains, which are common to receptors of the Wnt family members.
Molecular Weight:	68.8 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling , WNT Signaling , Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha

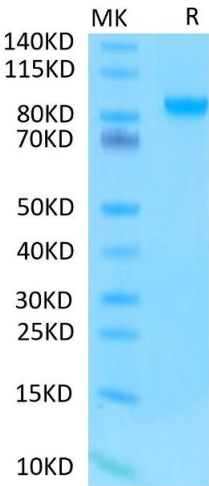
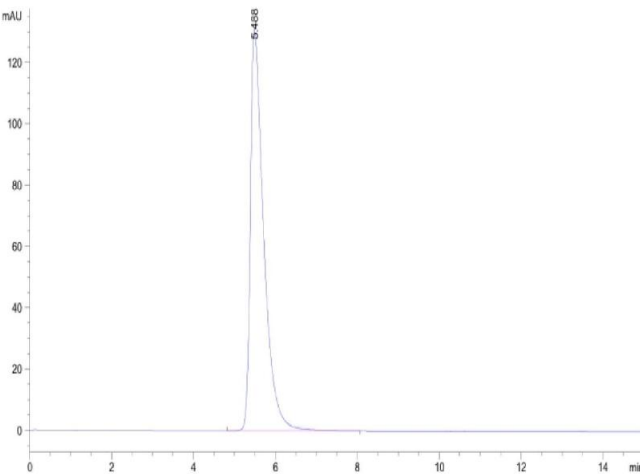
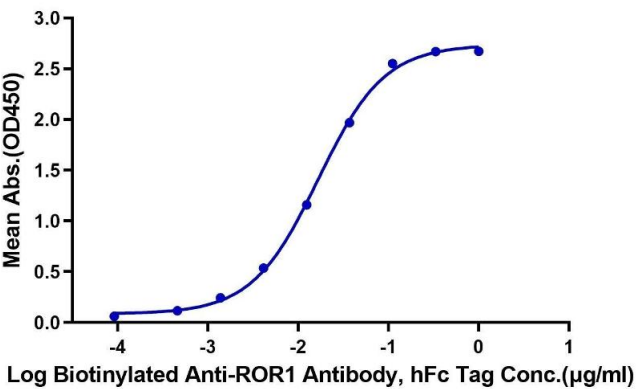
Application Details

Restrictions:	For Research Use only
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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

Human/Cynomolgus/Rhesus macaque ROR1, hFc Tag ELISA
0.05µg Human/Cynomolgus/Rhesus macaque ROR1, hFc Tag Per Well



ELISA

Image 1. Immobilized Human/Cynomolgus/Rhesus macaque ROR1, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-ROR1 Antibody, hFc Tag with the EC50 of 16.6 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human/Cynomolgus/Rhesus macaque ROR1 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 3. Human/Cynomolgus/Rhesus macaque ROR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .