Human ROR2/NTRKR2 Protein

Cat. No. ROR-HM402

Description

Source	Recombinant Human ROR2/NTRKR2 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal.
	It contains Val34-Gly403.
Accession	A1L4F5
Molecular Weight	The protein has a predicted MW of 44.2 kDa. Due to glycosylation, the protein migrates to 54-58 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

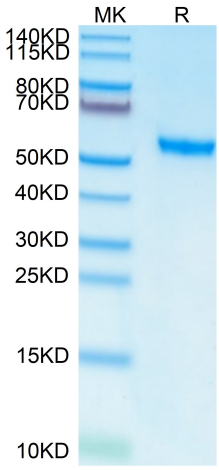
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

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.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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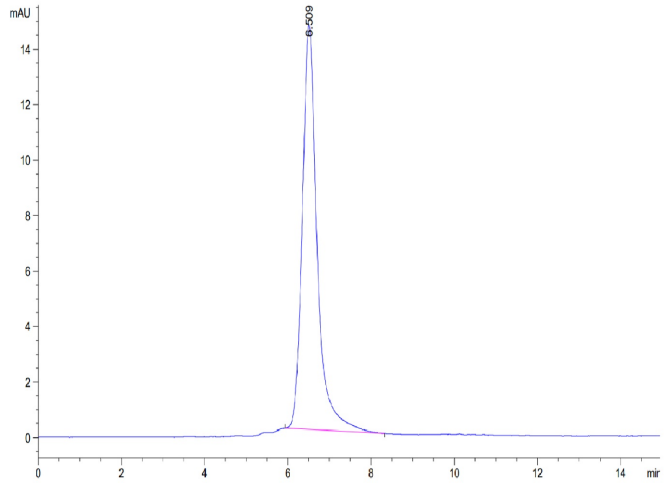
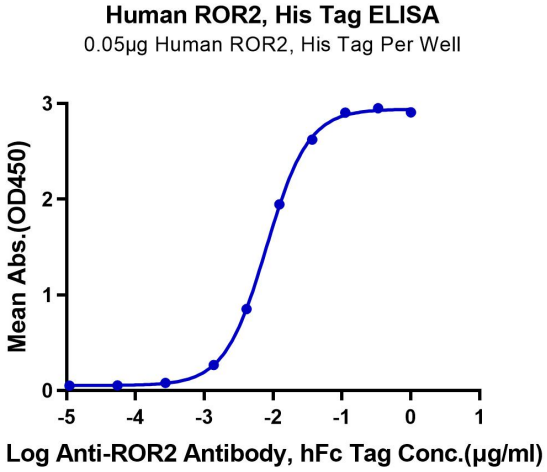
Assay Data



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

ELISA Data



Immobilized Human ROR2, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-ROR2 Antibody, hFc Tag with the EC50 of 8ng/ml determined by ELISA.