

Human ROR2/NTRKR2 Protein

Cat. No. ROR-HM202

Description

Source	Recombinant Human ROR2/NTRKR2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Val34-Gly403.
Accession	A1L4F5
Molecular Weight	The protein has a predicted MW of 68 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

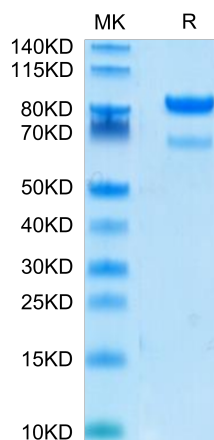
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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.

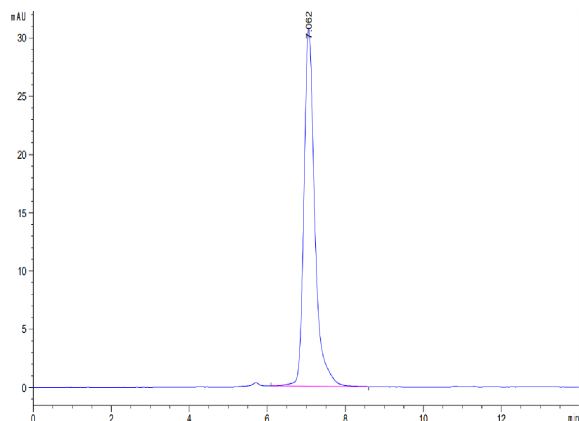
Assay Data

Bis-Tris PAGE



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

SEC-HPLC

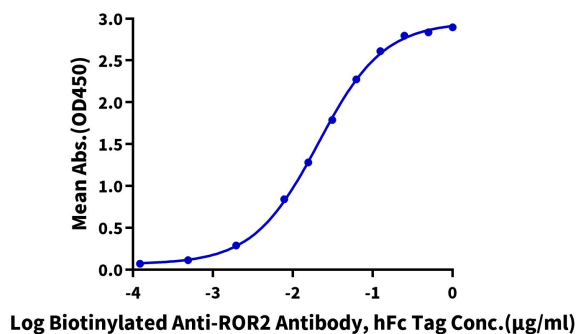


The purity of Human ROR2 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human ROR2, hFc Tag ELISA
0.1µg Human ROR2, hFc Tag Per Well



Immobilized Human ROR2, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-ROR2 Antibody, hFc Tag with the EC50 of 20.9ng/ml determined by ELISA.