

# Human ROR1 Protein

Cat. No. ROR-HB101

## Description

<b>Source</b>	Recombinant Human ROR1 Protein is expressed from Baculovirus-Insect Cells(Sf9) with His tag at the C-terminus. It contains Met453-Asn783.
<b>Accession</b>	AAA60275.1
<b>Molecular Weight</b>	The protein has a predicted MW of 39.21 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

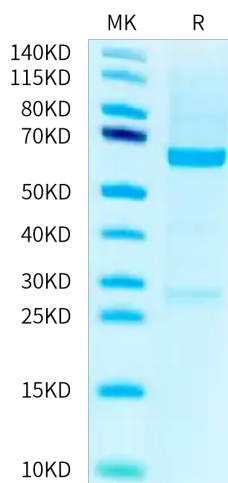
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, 2mM GSH, 3mM DTT, 10% glycerol (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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.

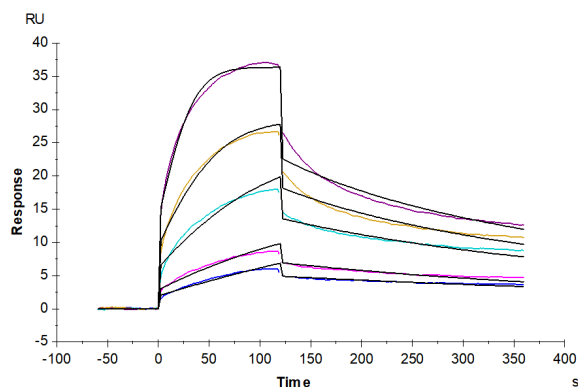
## Assay Data

### Bis-Tris PAGE



Human ROR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SPR Data



Anti-ROR1 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human ROR1, His Tag with an affinity constant of 26.40 nM as determined in SPR assay (Biacore T200).