

HUMAN ROR1 PROTEIN, HIS TAG

Cat.#: 11267

Product Name: Human ROR1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ROR1;TRKR1

Target: ROR1

UNIPROT ID: Q01973

Description: Recombinant Human ROR1 Protein with C-terminal 6xHis tag

Background: This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 42.8 kDa after removal of the signal peptide. The apparent molecular mass of ROR1-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: ROR1(Gln30-Glu403) 6xHis tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

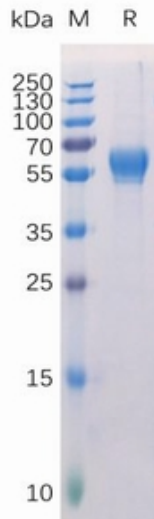


Figure 1. Human ROR1 Protein, His Tag on SDS-PAGE under reducing condition.

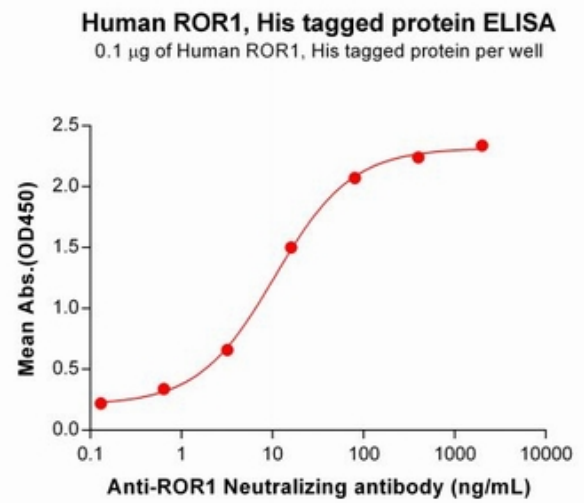


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human ROR1, His tagged protein (11267) can bind Anti-ROR1 Neutralizing antibody 28076 in a linear range of 0.64-16 μ g/ml.