

**MOUSE ROR1 PROTEIN, HIS TAG****Cat.#:** 12193**Product Name:** Mouse ROR1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Ror1**Target:** ROR1**UNIPROT ID:** Q9Z139**Description:** Recombinant mouse 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 42.6 kDa after removal of the signal peptide. The apparent molecular mass of mROR1-His is approximately 55–70 kDa due to glycosylation.

**Molecular Characterization:** Mouse ROR1(Gln30–Glu403) 6×His tag

**Purity:** The purity of the protein is greater than 85% 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.

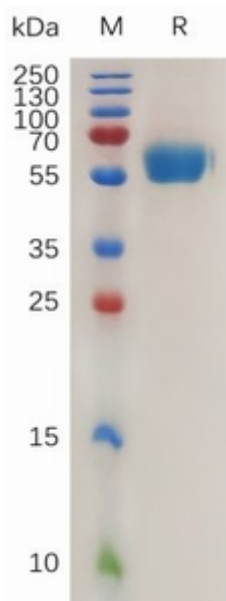


Figure 1. Mouse ROR1 Protein, His Tag on SDS-PAGE under reducing condition.