

PRODUCT INFORMATION

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| Target | ROR1 |
| Synonyms | Ror1 |
| Description | Recombinant mouse ROR1 protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | Q9Z139 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | Mouse ROR1(Gln30-Glu403) 6×His tag |
| 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. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| 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] |
| Usage | Research use only |



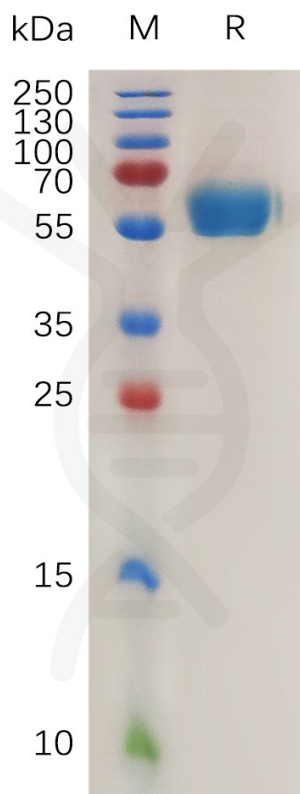


Figure 1. Mouse ROR1 Protein, His Tag on SDS-PAGE under reducing condition.

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