

## **PRODUCT INFORMATION**

ROR2 **Target** 

**Synonyms** ROR2;NTRKR2

Recombinant human ROR2 Protein with C-**Description** 

terminal 6×His tag

**Delivery** In Stock **Uniprot ID** Q01974 **HEK293 Expression Host** Tag C-6×His Tag

Molecular

**Background** 

ROR2(Glu34-Gly403) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 

42.2 kDa after removal of the signal peptide. The apparent molecular mass of ROR2-His is

approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may

be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause the autosomal recessive form of Robinow syndrome, which is characterized by

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skeletal dysplasia with generalized limb bone

shortening, segmental defects of the spine, brachydactyly, and a dysmorphic facial

appearance.

Usage Research use only





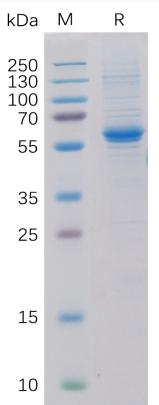


Figure 1. Human ROR2 Protein, His Tag on SDS-PAGE under reducing condition.

## Human ROR2, His tagged protein ELISA

0.1 µg of Human ROR2, His tagged protein per well

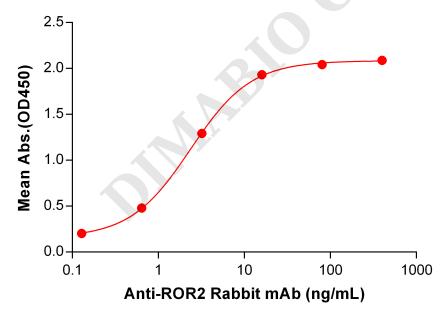


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human ROR2 protein, His Tag (PME100097) can bind Anti-ROR2 Rabbit mAb in a linear range of 0.128-16 ng/mL.

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