

## Recombinant Human ROR2, His-tagged, Biotinylated

**Cat. No.** ROR2-667H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant human ROR2 ECD is expressed as a 381 amino acid protein consisting of Glu34 - Gly403 region of ROR2 (Uniprot #Q01974) and a C-terminal His-Tag. It contains 3 potential sites for N-linked glycosylation.                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 34-403 a.a.                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).                                                                                                                                                                               |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 42.7; Estimated by SDS-PAGE under reducing condition (kDa): 55-60                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <0.1 eu per 1 µg of purified recombinant protein determined by the lal>                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | >95% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw |

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cycles.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** ROR2 receptor tyrosine kinase-like orphan receptor 2 [ Homo sapiens ]

**Official Symbol** ROR2

**Synonyms** ROR2; receptor tyrosine kinase-like orphan receptor 2; BDB, BDB1, NTRKR2; tyrosine-protein kinase transmembrane receptor ROR2; neurotrophic tyrosine kinase receptor-related 2; BDB; BDB1; NTRKR2; MGC163394;

**Gene ID** 4920

**mRNA Refseq** NM\_004560

**Protein Refseq** NP\_004551

**MIM** 602337

**UniProt ID** Q01974

**Chromosome Location** 9q22

**Pathway** Noncanonical Wnt signaling pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling network, organism-specific biosystem;

**Function** ATP binding; Wnt-protein binding; frizzled binding; nucleotide binding; receptor

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activity; transmembrane receptor protein tyrosine kinase activity;

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