

## Recombinant Human ROR2, His-tagged

**Cat. No.** ROR2-669H    **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).                                                                                                                                                                                                                                                                           |
| <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 cycles. |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ROR2 receptor tyrosine kinase-like orphan receptor 2 [ Homo sapiens ]                                                                                                                                         |
| <b>Official Symbol</b>     | ROR2                                                                                                                                                                                                          |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 4920                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_004560                                                                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_004551                                                                                                                                                                                                     |
| <b>MIM</b>                 | 602337                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | Q01974                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 9q22                                                                                                                                                                                                          |
| <b>Pathway</b>             | Noncanonical Wnt signaling pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling network, organism-specific biosystem;                              |
| <b>Function</b>            | ATP binding; Wnt-protein binding; frizzled binding; nucleotide binding; receptor activity; transmembrane receptor protein tyrosine kinase activity;                                                           |

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