

## Recombinant Human ROR2, GST-tagged, Active

Cat. No. ROR2-423H Lot. No. (See product label)

### SPECIFICATION

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Product Overview      | Recombinant human ROR2 (427-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=86kDa.                                                                                                                                                                                                                                                                                                  |
| Species               | Human                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source                | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Length        | 427-end a.a.                                                                                                                                                                                                                                                                                                                                                                                                              |
| Description           | ROR2 is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. ROR2 is selectively expressed in the chondrocytes of all developing cartilage anlagen, where it is essential during initial growth and patterning, as well as subsequently in the proliferating chondrocytes of mature growth plates, where it is required for normal expansion. |
| Sequence              | 427-end.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications          | Kinase Assay, Western Blot.                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage And Stability | Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.                                                                                                                                                                                   |

### GENE INFORMATION

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ROR2 receptor tyrosine kinase-like orphan receptor 2 [ Homo sapiens ]                                                                                                                                  |
| <b>Synonyms</b>            | ROR2; receptor tyrosine kinase-like orphan receptor 2; BDB; BDB1; NTRKR2; MGC163394; neurotrophic tyrosine kinase receptor-related 2; tyrosine-protein kinase transmembrane receptor ROR2; EC 2.7.10.1 |
| <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>Function</b>            | ATP binding; magnesium ion binding; nucleotide binding; receptor activity; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity                              |