

## Recombinant Full Length Rat ROR1 Protein, His-tagged

**Cat. No.** ROR1-432R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat ROR1 protein with His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Predicted to enable Wnt-activated receptor activity and Wnt-protein binding activity. Involved in astrocyte development. Located in cell surface; cytoplasm; and stress fiber. Human ortholog(s) of this gene implicated in autosomal recessive nonsyndromic deafness 108. Orthologous to human ROR1 (receptor tyrosine kinase like orphan receptor 1). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 43.5 kDa                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                                                                                                  |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                                   |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ror1 receptor tyrosine kinase-like orphan receptor 1 [ Rattus norvegicus ] |
| <b>Official Symbol</b> | ROR1                                                                       |
| <b>Synonyms</b>        | ROR1; receptor tyrosine kinase-like orphan receptor 1;                     |
| <b>Gene ID</b>         | 362550                                                                     |
| <b>mRNA Refseq</b>     | NM_001108671                                                               |
| <b>Protein Refseq</b>  | NP_001102141                                                               |
| <b>UniProt ID</b>      | D3ZZ97                                                                     |

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