

Recombinant Mouse ROR2 protein, Fc-tagged

Cat. No. ROR2-314M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ROR2 protein (Glu34-Gly403), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	370
Description	Tyrosine-protein kinase transmembrane receptor ROR2 is also known as Neurotrophic tyrosine kinase, receptor-related 2 (NTRKR2), which belongs to the protein kinase superfamily and Tyr protein kinase family and ROR subfamily. ROR2 is a homodimer protein, which can binds YWHAB or interact with WTIP. ROR2 may be involved in the early formation of the chondrocytes. It seems to be required for cartilage and growth plate development.
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 67.8 kDa. The protein migrates as 70-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20 centigrade to -70 centigrade for 12 months in lyophilized state;
- 70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name ROR2

Official Symbol ROR2

Synonyms ROR2; receptor tyrosine kinase-like orphan receptor 2; tyrosine-protein kinase transmembrane receptor ROR2; neurotrophic tyrosine kinase, receptor related 2; neurotrophic tyrosine kinase, receptor-related 2; mRor2; Ntrkr2

Gene ID 26564

mRNA Refseq NM_013846

Protein Refseq NP_038874

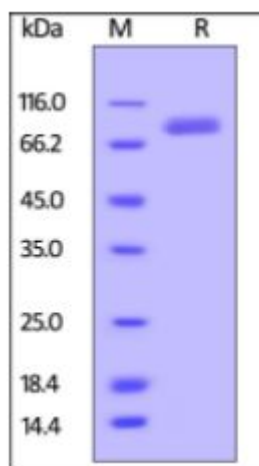
UniProt ID Q9Z138

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**SDS-PAGE of ROR2-
314M**



Mouse ROR2, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.