

Active Recombinant Human ROR2, GST-tagged

Cat. No. ROR2-30436TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ROR2 (427-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	427-end a.a.
Description	The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause the autosomal recessive form of Robinow syndrome, which is characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly, and a dysmorphic facial appearance.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	0.17 nmol/min/mg
Molecular Mass	~86 kDa

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Purity	> 85%
Applications	Kinase Assay; Western Blot
Storage	Store product at –70oC. 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.
Concentration	0.1 ug/ul

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; MGC163394; neurotrophic tyrosine kinase receptor-related 2; tyrosine-protein kinase transmembrane receptor ROR2; EC 2.7.10.1
Gene ID	4920
mRNA Refseq	NM_004560
Protein Refseq	NP_004551
MIM	602337
UniProt ID	Q01974
Chromosome Location	9q22

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Pathway	Cardiac Progenitor Differentiation; PCP/CE pathway; WNT5A-dependent internalization of FZD2, FZD5 and ROR2
Function	ATP binding; Wnt-protein binding; transmembrane receptor protein tyrosine kinase activity

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