

Recombinant Human ROR1 Protein, C-6His-Avi tagged, Biotinylated

Cat. No. ROR1-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Inactive Tyrosine-protein Kinase Transmembrane Receptor ROR1 is produced by our Mammalian expression system and the target gene encoding Gln30-Glu403 is expressed with a 6His, Avi tag at the C-terminus.
Species	Human
Source	Human Cells
Protein Length	Gln30-Glu403
Description	Receptor tyrosine kinase-like orphan receptor 1 (ROR1), also known as neurotrophic tyrosine kinase, it is a member of the ROR family within receptor tyrosine kinases (RTK) superfamily. Human ROR1 is a type I transmembrane protein with 937 amino acids (aa) in length. It contains a 29 aa signal sequence, a 377 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 510 aa cytoplasmic region. ROR1 expressed strongly in human heart, lung and kidney, but weakly in the CNS. At developmental stage, it expressed at high levels during early embryonic development. ROR1 has been shown to have very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo. It may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2

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µm filtered solution of PBS, pH 7.4.

Shipping Ambient

Conjugation Biotin

GENE INFORMATION

Gene Name ROR1 receptor tyrosine kinase-like orphan receptor 1 [Homo sapiens (human)]

Official Symbol ROR1

Synonyms Inactive tyrosine-protein kinase transmembrane receptor ROR1; Neurotrophictyrosine kinase; receptor-related 1; ROR1; NTRKR1

Gene ID 4919

mRNA Refseq NM_001083592

Protein Refseq NP_001077061

MIM 602336

UniProt ID Q01973

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