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 isproduced by our Mammalian expression system and the target gene encoding Gln30-Glu403 is expressedwith a 6His, Avi tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	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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