Recombinant Human ROR1

Cat. No. ROR1-30958TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human ROR1 with a N terminal proprietary tag. Predicted molecular weight 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene is a receptor protein tyrosine kinase that modulates neurite growth in the central nervous system. It is a type I membrane protein and belongs to the ROR subfamily of cell surface receptors. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYPHTHTFTA LRFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACGK
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. ROR subfamily.Contains 1 FZ (frizzled) domain.Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 kringle domain.Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	ROR1 receptor tyrosine kinase-like orphan receptor 1 [Homo sapiens]
Official Symbol	ROR1
Synonyms	ROR1; receptor tyrosine kinase-like orphan receptor 1; NTRKR1; tyrosine-protein kinase transmembrane receptor ROR1;
Gene ID	4919
mRNA Refseq	NM_001083592
Protein Refseq	NP_001077061
MIM	602336
Uniprot ID	Q01973
Chromosome	1p32-p31

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Location	
Pathway	Nuclear Receptors, organism-specific biosystem;
Function	ATP binding; Wnt-protein binding; kinase activity; nucleotide binding; receptor activity;

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