Datasheet for ABIN7317047

ROR1 Protein (AA 453-783) (GST tag,His tag)

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1 Image

Overview

Quantity:	50 µg
Target:	ROR1
Protein Characteristics:	AA 453-783
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ROR1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human ROR1 Protein (aa 453-783, His & GST Tag)(Active)
Sequence:	Met 453-Asn783
Characteristics:	A DNA sequence encoding the human ROR1 (AAA60275.1) (Met453-Asn783) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 0.3 nmol/min/mg using MBP as substrate.

Target Details

Target:	ROR1

Target Details

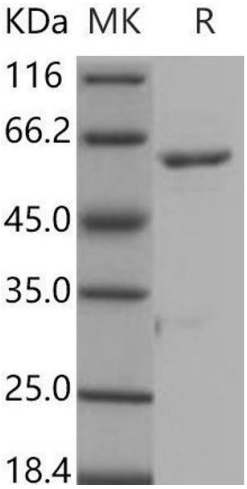
Alternative Name:	ROR1 (ROR1 Products)
Background:	Background: Receptor tyrosine kinase-like orphan receptor 1 (ROR1), also known as neurotrophic tyrosine kinase, it is a member of the ROR family within receptor tyrosine kinases (RTK) superfamily. Human ROR1 is a type I transmembrane protein with 937 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. Synonym: dJ537F10.1,NTRKR1
Molecular Weight:	65.3 kDa
Pathways:	RTK Signaling, WNT Signaling, Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, 2 mM GSH, 3 mM DTT, 10 % glycerol, pH 7.4
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting
Image 1.

