

Datasheet for ABIN7539348  
**ROR2 Protein (Soluble)**



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## Overview

Quantity:	2 µg
Target:	ROR2
Protein Characteristics:	Soluble
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active

## Product Details

Purpose:	ROR2, soluble
Sequence:	<p>EVEVLDPNDP LGPLDGQDGP IPTLKGYFLN FLEPVNNITI VQGQTAILHC KVAGNPPPNV RWLKNDA PVV QEPRIIRK TEYGSRLRIQ DLDTTDTGYQ QCVATNGMKT ITATGVLFVR LGPTHSPNHN FQDDYHEDGF CQPYRGIACA RFIGNRTIYV DSLQMQGEIE NRITAAFTMI GTSTHLSQDC SQFAIPSFCH FVFPLCDARS RTPKPRELCR DECEVLES DL CRQEYTIARS NPLILMRLQL PKCEALPMPE SPDAANCMRI GIPAERLGRY HQCYNGSGMD YRGTA STTKS GHQCQPWALQ HPHSHHLSST DFPELGGGHA YCRNPGGQME GPWCFTQKNK VRMELCDVPS CSPRDSSKMG HHHHHH</p>
Characteristics:	Length (aa):376
Purity:	> 98 % by SDS-PAGE and Coomassie stain

## Target Details

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Target:	ROR2
Alternative Name:	ROR2 ( <a href="#">ROR2 Products</a> )
Background:	<p>Neurotrophic tyrosine kinase, receptor-related 2,ROR2 is a signaling receptor for Wnt ligands that is known to play important roles in limb development, but having no essential roles known in adult tissues. Recent evidence has implicated ROR2 in mediating both canonical and non-canonical signaling pathways. ROR2 was initially found to be highly expressed in osteosarcoma and renal cell carcinomas, and has recently been found in an increasingly long list of cancers currently including melanoma, colon cancer, melanoma, squamous cell carcinoma of the head and neck, and breast cancer. In the majority of these cancer types, ROR2 expression is associated with more aggressive disease states, consistent with a role mediating Wnt signaling regardless of the canonical or non-canonical signal. Because of the pattern of tissue distribution, the association with high-risk diseases, and the cell surface localization of this receptor, ROR2 has been identified as a potential high value target for therapeutic development. However, the recent discovery that ROR2 may function through non-kinase activities challenges this strategy and opens up opportunities to target this important molecule through alternative means.</p>
Molecular Weight:	50.0 kDa
Gene ID:	4920
NCBI Accession:	<a href="#">NM_004560</a> , <a href="#">NP_004551</a>
UniProt:	<a href="#">Q01974</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">WNT Signaling</a>

## Application Details

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Application Notes:	Binds rh Wnt5a in a functional ELISA.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. The lyophilized sROR2 is soluble in water and most aqueous buffers and should be reconstituted in water to a concentration not lower than 100 µg/mL.
Buffer:	PBS

## Handling

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Storage: -20 °C,-80 °C

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Storage Comment: Lyophilized samples are stable for greater than six months at -20°C to -70°C. Reconstituted sROR2 should be stored in working aliquots at -70°C.

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Expiry Date: 6 months