

# Recombinant Full Length Human ROR1 Protein, His-tagged

Cat. No. ROR1-425H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human ROR1 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	937
<b>Description</b>	<p>This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	104KDa
<b>AA Sequence</b>	<p>MHRPRRRGTRPPLLALLAALLLAARGAAAQETELSVSAELVPTSSWNISSELNKDSY  LTLDEPMNITTSLGQTAELHCKVSGNPPPTIRWFKNDAPVVQEPRLSFRSTIYGS  RLRIRNLDTTDTGYFQCVATNGKEVVSSTGVLFVKFGPPPTASPGYSDEYEEDGFC  QPYRGIACARFIGNRTVYME SLHMQGEIENQITAAFTMIGTSSHLSDKCSQFAIPSLC</p>

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HYAFPYCDDETSSVPKPRDLRDECEILENVLCQTEYIFARSNPMLMRLKLPNCEDLP  
 QPESPEAANCIRIGIPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYP  
 HTHTFTALRFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACDSKDSKE  
 KNKMEILYILVPSVAIPLAIALFFVICVCRNNQKSSSAPVQRQPKHVRGQNVEMSML  
 NAYKPKSKAKELPLSAVRFMEELGECAFGKIYKGHLYLPGMDHAQLVAIKTLKDYN  
 PQQWTEFQQEASLMAELHHPNIVCLLGAVTQEQPVCMLFEYINQGDLEFLIMRSP  
 HSDVGCSSDEDGTVKSSLDHGDFLHIAIQIAAGMEYLSSHFFVHKDLAARNILIGEQL  
 HVKISDLGLSREIYSADYYRVQSKSLLPIRWMPPEAIMYGKFSDDSDIWSFGVVLWEI  
 FSFGLQPYYGFSNQEVIMVRKRQLLPCSEDCPPRMYSMLTECWNEIPSRPRPKD  
 IHVRLRSWEGLSSHTSSTTPSGGNATTQTTSLSASPVSNLNPRYPNYMFPSQGITP  
 QGQIAGFIGPPIPQNQRFIPINGYPIPPGYAAFPAAHYQPTGPPRVIQHCPPPKSRSP  
 SSASGSTSTGHVTSPLSSGSNQEANIPLLPHMSIPNHPGGMGITVFGNKSQKPYKID  
 SKQASLLGDANIHGHTESMISAEL

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific

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instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	ROR1 receptor tyrosine kinase-like orphan receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ROR1
<b>Synonyms</b>	ROR1; receptor tyrosine kinase-like orphan receptor 1; NTRKR1; tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase receptor-related 1; neurotrophic tyrosine kinase, receptor-related 1; dJ537F10.1; MGC99659;
<b>Gene ID</b>	4919
<b>mRNA Refseq</b>	NM_001083592
<b>Protein Refseq</b>	NP_001077061
<b>MIM</b>	602336
<b>UniProt ID</b>	Q01973

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