

ROR1 Protein, Human (sf9, His)

Cat. No.:	HY-P73390
Synonyms:	Inactive tyrosine-protein kinase transmembrane receptor ROR1; ROR1; NTRKR1
Species:	Human
Source:	Sf9 insect cells
Accession:	Q01973 (M453-N783)
Gene ID:	4919
Molecular Weight:	55-70 kDa

PROPERTIES

Biological Activity	1.The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet. 2.Anti-ROR1 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human ROR1, His Tag with an affinity constant of 26.40 nM as determined in SPR assay (Biacore T200).
Appearance	Solution.
Formulation	Supplied as sterile 20 mM Tris, 500 mM NaCl, 2 mM GSH, 3 mM DTT, 10% glycerol, pH 7.4
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	ROR1 protein exhibits very low kinase activity in vitro, suggesting an unlikely role as a tyrosine kinase in vivo. It functions as a receptor for the ligand WNT5A, activating downstream NFκB signaling pathways and potentially inhibiting WNT3A-mediated signaling. Notably, in the inner ear, ROR1 is crucial for facilitating the innervation of auditory hair cells by spiral ganglion neurons.
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Caution: Product has not been fully validated for medical applications. For research use only.

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