

ROR1 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78510
Synonyms:	ROR1; NTRKR1; dJ537F10.1
Species:	Human
Source:	HEK293
Accession:	Q01973 (Q30-E403)
Gene ID:	4919
Molecular Weight:	55-70 kDa

PROPERTIES

Biological Activity	Immobilized Human/Cynomolgus/Rhesus macaque ROR1, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-ROR1 Antibody, hFc Tag with the EC ₅₀ of 2.7ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

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.
------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA