

Recombinant Human ROR1 protein, T7/His-tagged

Cat. No. ROR1-88H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ROR1 extracellular domain cDNA (30-406 aa) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	30-406 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose, DTT.
AA Sequence	MASMTGGQQMGRGRGHHHHHGNLYFQGEFQETELSVSAELVPTSSWNISSELNKD SYLTLDEPMNITTSLGQTAE LHCKVSGNPPPTIRWFKNDAPVVQEPRRLSFRSTIY GSRLRIRNLDTTDTGYFQC VATNGKEVVSSTGVLFVKFG PPPTASPGYSDEYEEDG FCQPYRGIACARFIGNRTVYMESLHMQGEIENQITAAFTMIGTSSHLSDKCSQFAIPS LCHYAFPYCDETSSVPKPRDLRDECEILENVLCQTEYIFARSNPMILMRLKLPNCED LPQPESPEAANCIRIGI PMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQ YPHTHTFTALRFPPELNGGHSYCRNPGNQKEAPWCFT LDENFKSDLCDIPACDSKD SKEKNKMEILY
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro ROR1 mediated T cell and neuronal cell differentiation regulation study with this protein either as soluble factor or as coating matrix

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protein.2. May be used for protein-protein interaction assay.3. Potential biomarker protein for cancer therapy applications.4. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name

ROR1 receptor tyrosine kinase-like orphan receptor 1 [Homo sapiens]

Official Symbol

ROR1

Synonyms

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;

Gene ID

4919

mRNA Refseq

NM_001083592

Protein Refseq

NP_001077061

MIM

602336

UniProt ID

Q01973

Chromosome Location

1p32-p31

Pathway

Nuclear Receptors, organism-specific biosystem;

Function

ATP binding; Wnt-protein binding; kinase activity; nucleotide binding; receptor activity;

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transmembrane receptor protein tyrosine kinase activity;

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