

## Product datasheet for **TP727827**

### ROR1 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Tyrosine-protein kinase receptor ROR1/ROR1(C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln30-Glu403
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Inactive tyrosine-protein kinase transmembrane receptor ROR1 is produced by our Mammalian expression system and the target gene encoding Gln30-Glu403 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	4919
UniProt ID:	<u><a href="#">Q01973</a></u>
Synonyms:	neurotrophic tyrosine kinase receptor-related 1; receptor tyrosine kinase-like orphan receptor 1; ROR1;tyrosine-protein kinase transmembrane receptor ROR1
Summary:	ROR1 ,also known as Neurotrophic tyrosine kinase, receptor-related 1, belongs to the ROR subfamily of Tyr protein kinase family,a protein kinase superfamily. It has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo. Human ROR1 is a type I transmembrane protein with 937 amino acids (aa) in length. It contains a 29 aa signal sequence, a 377 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 510 aa cytoplasmic region. Human ROR1 shares 97% and 58% aa sequence identity with mouse ROR1 and human ROR2, respectively. ROR1 may act as a receptor for wnt ligand WNT5A which may result in the inhibition of WNT3A-mediated signaling. ROR1 expressed strongly in human heart, lung and kidney, but weakly in the CNS. Its Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm.


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**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane