

Recombinant Human ROR1 Protein, His-tagged

Cat. No. ROR1-962H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human receptor tyrosine kinase like orphan receptor 1(ROR1) protein, transcript variant 2 (NM_001083592), with a His tag, was expressed in human cells.

Species Human

Source Human Cells

Description 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.

Form Purified protein formulated in a sterile solution of TBS buffer, pH7.290, without any preservatives.

Molecular Mass 43.6 kDa

Endotoxin Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

Purity >90% by SDS-PAGE gel and Coomassie Blue staining

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Applications Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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](#)

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