

Product Information

MemDX™ Membrane Protein Human ROR1 (Receptor tyrosine kinase like orphan receptor

1) Full Length

Cat. No.: **MPC1738K**

This product is for research use only and is not intended for diagnostic use.

This product is a 104.2 kDa Human ROR1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ROR1

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

104.2 kDa

TMD

1

Sequence

MHRPRRRGTRPPLLALLAALLLAARGAAAQETELSVSAELVPTSSWNISS
ELNKDSYLTLDPMNNTTSLGQTAEHCKVSGNPPPTIRWFKNDAPVVQ
EPRRLSFRSTIYGSRLRIRNLDTTDTGYFQCVATNGKEVVSSTGVLVFKF
GPPPTASPGYSDEYEEDGFCQPYRGIACARFIGNRTVYMESLHMQGEIEN
QITAAFTMIGTSSHLSDKCSQFAIPSLCHYAFPYCDETSSVPKPRDLCD
ECEILENVLCQTEYIFARSNPMILMRLKLPNCEDLPQPESPEAANCIRIG
IPMADPINKNHKCYNSTGVDYRGTVSVTKSGRQCQPWNSQYPHTHTFTAL
RFPELNGGHSYCRNPGNQKEAPWCFTLDENFKSDLCDIPACDSKDSKEKN
KMEILYILVPSVAIPLAIALFFICVCRNNQKSSSAPVQRQPKHVRGQN
VEMSMNLNAYKPKSKAKELPLSAVRFMEELGECAGFKIYKGHLYLPGMDHA
QLVAIKTLKDYNPNQWTEFQQEASLMAELHHPNIVCLLGAVTQECPVCM
LFEYINQGDLEHFLIMRSPHSDVGCSSDEDGTVKSSLDHGDFLHIAQIA
AGMEYLSSHFFVHKDLAARNILIGEQLHVKISDLGLSREIYSADYYRVQS
KSLPIRWMPPEAIMYGKFSSDSDIWSFGVVLWEIFSGLQPYYGFSNQE
VIEMVRKRQLLPCSEDCPPRMYSLMTECWNEIPSRPRFKDIHVRLRSWE
GLSSHTSSTTPSGGNATTQTTLSASPVSNLNPNRYPNYMFPSQGITPQG
QIAGFIGPPIPNQRIFIPINGYPIPPGYAFAFPAAHYQPTGPPRVIQHCPP
PKSRSPSSASGSTSTGHVTSLPSSGSNQEANIPLPHMSIPNHPGGMGIT
VFGNKSQKPYKIDSKQASLLGDANIHGHTESMISAEI

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ROR1

Full Name

Receptor tyrosine kinase like orphan receptor 1

Introduction

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.

Alternative Names

ROR1; NTRKR1; dJ537F10.1; inactive tyrosine-protein kinase transmembrane receptor ROR1; neurotrophic tyrosine kinase, receptor-related 1; Receptor tyrosine kinase like orphan receptor 1

Gene ID

[4919](#)

UniProt ID

[Q01973](#)