

Product Information

MemDX™ Membrane Protein Human ROR2 (Receptor tyrosine kinase like orphan receptor

2) Full Length

Cat. No.: **MPC1498K**

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

This product is a 104.7 kDa Human ROR2 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

ROR2

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

104.7 kDa

TMD

1

Sequence

MARGSALPRRPLLCIPAVWAAAAALLSVSRTSGEVEVLDPNDPLGPLDGQ
DGPIPTLKGYFLNFLEPVNNITIVQGQTALHCKVAGNPPPNVRWLKND
PVVQEPRRIIRKTEYGSRLRIQDLDTTDTGYYQCVATNGMKTITATGVL
FVRLGPTHSPNHNFDQDDYHEDGFCQPYRGIACARFIGNRTIYVDSLQMQG
EIENRITAAFTMIGTSTHLSQCSQFAIPSFCHFVFLCDARSRTPKPRE
LCRDECEVLESCLCRQEYTIARSNPLILMRLQLPKCEALPMPEPDAANC
MRIGIPAERLGRYHQCYNGSGMDYRGTAATTKSGHQCPWALQHPHSHHL
SSTDPELGGGHAYCRNPGGQMEGPWCFTQNKNVRMELCDVPSCSPRDSS
KMGILYLVPISAIPLVIACLFLLVCMCRNKQKASASTPQRRQLMASPSQ
DMEMPLINQHKQAKLKEISLSAVRFMEELGEDRFKGVYKGHLFGPAPGEQ
TQAVAIKTLKDKAEGPLREEFRHEAMLRARLQHPNVVCLLGVVTKDQPLS
MIFSYSYSHGDLHEFLVMRSPHSDVGSTDDDRTVKSALEPPDFVHLVAQIA
AGMEYLSSHVVHKDLATRNVLVYDKLVKISDLGLFREYYAADYYKLLG
NSLLPIRWMAPEAIMYGKFSIDSDIWSYGVVLWEVFSYGLQPYCGYSNQD
VVEMIRNRQVLPCDDCPAWVYALMIECWNEFPSRRPRFKDIHSRLRAWG
NLSNYNSSAQTSGASNTTQTSSLSTSPVSNVSNARYVGPKQKAPFPQPQ
FIPMKGQIRPMVPPQLYVPVNGYQPVAYGAYLPNFYVPVQIPMQMAPQQ
VPPQMVPKPSHHSGSGSTSTGYVTTAPSNTSMADRAALLSEGADDTQNA
PEDGAQSTVQEAEEEEEGSVPETELLGDCDTLQVDEAQVQLEA

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

ROR2

Full Name

Receptor tyrosine kinase like orphan receptor 2

Introduction

The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause the autosomal recessive form of Robinow syndrome, which is characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly, and a dysmorphic facial appearance.

Alternative Names

ROR2; BDB; BDB1; NTRKR2; tyrosine-protein kinase transmembrane receptor ROR2; neurotrophic tyrosine kinase receptor-related 2; Receptor tyrosine kinase like orphan receptor 2

Gene ID

[4920](#)

UniProt ID

[Q01974](#)