

# Product Information

## MemDX™ Membrane Protein Human ROR2 (Receptor tyrosine kinase like orphan receptor 2) for Antibody Discovery

Cat. No.: **MP0826J**

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

This product is a 101.3 kDa Human ROR2 membrane protein expressed in HEK293T. 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

Druggable Genome, Protein Kinase, Transmembrane

#### Molecular Weight

101.3 kDa

#### TMD

1

#### Sequence

MARGSALPRRPLLCIPAVWAAAAALLSVSRTSGEVEVLDPNDPLGPLDGQDGIPTLKG YFLNFLEPVNN  
ITIVQGQTAILHCKVAGNPPPNVRWLKNDAPVVQEPRRIIRKTEYGSRLRIQDLDTTDTGY YQCVATNG  
MKTITATGVLVRLGPTHSPNHNFDQDDYHEDGFCQPYRGIACARFIGNRTIYVDSLQMQGEIENRITAAF  
TMIGTSTHLSQCSQFAIPSFCHFVPLCDARSRAPKPRELCRDECEVLESDLCRQEYTIARSNPLILMR  
LQLPKCEALPMPESPDAANCMRIGIPAERLGRYHQCYNGSGMDYRGTA STTKSGHQCCQPWALQHPHSHHL  
SSTDFPELGGGHAYCRNPGGQMEGPWCFTQNK NVRMELCDVPSCSPRDSSKMGILYILVPSIAIPLVIAC  
LFFLVCMCRNKQKASASTPQRRQLMASPSQDMEMPLINQHKQAKLKEISLSAVRFMEELGEDRFGKVYKG  
HLFGPAPGEQTQAVAIKTLKDKAEGPLREEFRHEAMLRARLQHPNVVCLLG VVTKDQPLSMIFS YCSHGD  
LHEFLVMRSPHSDVGSTDDDRTVKSALEPPDFVHLVAQIAAGMEYLSSH HVVHKDLATRNVLVYDKLNVK  
ISDLGLFREYYAADYYKLLGNSLLPIRWMAPEAIMYGKFSIDSIWSYGVVLWEVFSYGLQPYCGYSNQD  
VVEMIRNRQVLPCPDDCPAWVYALMIECWNEFPSRRPRFKDIHSRLRAWGNLSNYNSSAQTSGASNTTQT  
SSLSTSPVSNVSNARYVGPKQKAPFPQPQFIPMKGQIRPMVPPPQLYIPVNGYQPV PAYGAYLPNFYPV  
QIPMQMAPQQVPPQMVPKPSSHSGSGSTSTGYVTTAPSNTSMADRAALLSEGADDTQNAPEDGAQSTVQ  
EAEIEEEGSPETELLGDCDTLQVDEAQVQLEA

### Product Description

## Expression Systems

HEK293T

## Tag

C-Myc/DDK

## Form

Liquid

## Purification

Anti-DDK affinity column followed by conventional chromatography steps

## Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

## Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

## Storage

Store at +4°C for up to one week or several months at -80°C

## 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

BDB; BDB1; NTRKR2

### Gene ID

[4920](#)

### UniProt ID

[Q01974](#)