

Product Information

MemDX™ Membrane Protein Human ROBO2 (Roundabout guidance receptor 2) for Antibody

Discovery

Cat. No.: **MP0744J**

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

This product is a 152.9 kDa Human ROBO2 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

ROBO2

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

152.9 kDa

TMD

1

Sequence

MARRHERVTRRMWTWAPGLLMMTVFWGHQNGQGQGSRLRQEDFPFRIVEHPSDVIVSKGEPTTLNCKA
EGRPTPTIEWYKDGERTVDKDDPRSHRMLLPSSGLFFLRIVHGRRSKPDEGSYVCVARNYLGEAVSRNA
SLEVALLRDDFRQNPTDVVVAAGEPAILECQPPRGHPEPTIYWKDKVRIDDKEERISIRGGKLMISNTR
KSDAGMYTCVGTNMVGERDSDPAELTVFERPTFLRRPINQVVLVEEEAVEFRCQVQGGDPQPTVRWKKDDAD
LPRGRYDIKDDYTLRIKKTMTSTDEGYMCIAENRVGKMEASATLTVRAPPQFVVRPRDQIVAQGRVTTFP
CETKGNPQPAVFWQKEGSQNLLFPNQPPQNSRCSVSPTGDLTITNIQRSDAGYYICQALTAVGSILAKA
QLEVTDVLTDRPPPIILQGPANQTLAVDGTALLKCKATGDPLPVISWLKEGFTFPGRDPRATIQEQGTQ
IKNLRISDTGTTCVATSSSGETSSWSAVLDVTESGATISKNYDLSDLPGPSKQVTDVTKNSVTLWSQP
GTPGTLPASAYIIIEAFSQSVNSWQTVANHVKTTLTVRGLRPNTIYLFMVRAINPQGLSDPSPMSDPVR
TQDISPPAQGVDRQVQKELGDVLRHLNPNVLTPTTVQVTWTVDRQPQFIQGYRVMYRQTSGLQATSSW
QNLDKAVPTERSAVLVNLKKGVTYEIKVRPYFNEFQGMDSKTVRTTEEAPSAPPQSVTVLTVGSYNST
SISVSWDPPPPDHQNGIIQEYKIWCLGNETRFHINKTVDAAIRSVIIGGLFPGIQYRVEVAASTSAGVGV
KSEPQPIIIGRRNEVVITENNNSITEQITDVVKQPAFIAGIGGACWVILMGFSIWLYWRRKKRKGLSNYA
VTFQRGDGGLMSNGSRPGLLNAGDPSYPWLADSWPATSLPVNNSNSGPNEIGNFGRGDVLPVPVGGQDKT
ATMLSDGAIYSSIDFTTKTSYNSSSQITQATPYATTQILHSNSIHELAVDLPDPQWKSSIQKQTDLMGFG
YSLPDQNKGNNGGKGGKKNKNSSKPKNNGSTWANVPLPPPPVQPLPGTELEHYAVEQQENGYSDDSW
CPPLPVQTYLHQGLEDELEEDDDRVPPTPPVRGVASSPAISFGQQSTATLTSPREEMQPMLQAHLDLTR
AYQFDIAKQTWIHQSNNQPPQPPVPLGYVSGALISDLETVDADDADDEEEALEIPRPLRALDQTPGSS
MDNLDSSVTGKAFTSSQRPRPTSPFSTDSNTSAALSQSQRPRPTKKHKGGRMDDQPALPHRREGMTDEEA

LVPYSKPSFPSPGGHSSSGTASSKGSTGPRKTEVLRAGHQRNASDLLDIGYMGSNSQGQFTGEL

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

ROBO2

Full Name

Roundabout guidance receptor 2

Introduction

The protein encoded by this gene belongs to the ROBO family, part of the immunoglobulin superfamily of proteins that are highly conserved from fly to human. The encoded protein is a transmembrane receptor for the slit homolog 2 protein and functions in axon guidance and cell migration. Mutations in this gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants.

Alternative Names

SAX3

Gene ID

[6092](#)

UniProt ID

[Q9HCK4](#)