

Product Information

MemDX™ Membrane Protein Human EDNRB (Endothelin receptor type B) for Antibody

Discovery

Cat. No.: **MP1042J**

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

This product is a 46.9 kDa Human EDNRB 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

EDNRB

Protein Length

Full-length

Protein Class

Druggable Genome, GPCR, Transmembrane

Molecular Weight

46.9 kDa

TMD

7

Sequence

MQPPPSLCGRALVALVLACGLSRIWGEERGFPDRATPLLQTAEIMTPPTKTLWPKGSNASLARSLAPAE
VPKGDRTAGSPPTISPPPCQGPIEIKETFKYINTVVSCLVFVLGIIGNSTLLRIIYKNKCMRNGPNILI
ASLALGDLHIVIDIPINVYKLLAEDWPFGAEMCKLVPFIQKASVGITVLSLCALSIDRYRAVASWSRIK
GIGVPKWTAVEIVLIWVVSVLAVPEAIGFDITMDYKGSYLRIKLLHPVQKTAQFMQFYKTAQDWWLFSF
YFCLPLAITAFFYTLMTCEMLRKKSGMQIALNDHLKQRREVAKTVFCLVLVFALCWLPLHLRSLKLTLY
NQNDPNRCELLSFLLVLDYIGINMASLNSCINPIALYLVSKRFKNCFKSCLCCWCQSFEKQSLEEKQSC
LKFKANDHGYDNFRSSNKYSSS

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**

EDNRB

Full Name

Endothelin receptor type B

Introduction

The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene. Alternative splicing and the use of alternative promoters results in multiple transcript variants.

Alternative Names

ETB; ET-B; ETB1; ETBR; ETRB; HSCR; WS4A; ABCDS; ET-BR; HSCR2

Gene ID

[1910](#)

UniProt ID

[P24530](#)