

# 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  
VPKGDRTAGSPPTISPPPCQGPIEKETFKYINTVVSCLVFVLGIIGNSTLLRIYKKNKCMRNGPNILI  
ASLALGDLHIVIDIPINVYKLLAEDWPFGAEMCKLVPFIQKASVGITVLSLCALSIDRYRAVASWSRIK  
GIGVPKWTAVEIVLIWVVSVLAVPEAIGFDITMDYKGSYLRICLLHPVQKTAQFMQFYKTAKDWWLFSF  
YFCLPLAITAFFYTLMTCEMLRKKSGMQIALNDHLKQRREVAKTVFCLVLVFALCWLPLHL SRLKLTLY  
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](#)