

Product Information

MemDX™ Membrane Protein Human EDNRB (Endothelin receptor type B) Full Length

Cat. No.: **MPC0085K**

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

This product is a 49.6 kDa Human EDNRB membrane protein expressed in Baculovirus/Insect expression system. 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

GPCR

Molecular Weight

49.6 kDa

TMD

7

Sequence

MQPPPSLCGRALVALVLACGLSRIWGEERGFPPDRATPLLQTAEIMTPPT
KTLWPKGGSNLARS LAPAEVPKGDR TAGSPPRTISPPPCQGPIEKETF
KYINTVVSCLVFVLGIIGNSTLLRIIYKNKCMRNGPNILIASLALGDLLH
IVIDIPINVYKLLAEDWPFGAEMCKLVPFIQKASVGITVSLCALSIDRY
RAVASWSRIKGIGVPKWTAVEIVLIWVSVVLAVPEAIGFDIITMDYKGS
YLRICLLHPVQKTA FMQFYKTA KDW WLFSFYFCLPLAITAFFYTLMTCEM
LRKKSGMQLNDHLKQRREVAKTVFCLVLVFALCWLPLHLSRILKLTLY
NQNDPNRCELLSFLVLDYIGINMASLN CINPIALYLVSKRFKNCFKSC
LCCWCQSFEEKQSLEEKQSCLKF KANDHGYDNFRSSNKYSSS

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

10xHis tag at the C-terminus

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**

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; Hirschsprung disease 2; endothelin receptor non-selective type; endothelin receptor subtype B1; EDNRB; Endothelin receptor type B

Gene ID

[1910](#)

UniProt ID

[P24530](#)