abcam

## Product datasheet

# Recombinant Human Endothelin B Receptor/ET-B protein ab152358

1 Image

### Description

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|---|---|
| **Product name** | Recombinant Human Endothelin B Receptor/ET-B protein |
| **Expression system** | Wheat germ |
| **Accession** | P24530 |
| **Protein length** | Full length protein |
| **Animal free** | No |
| **Nature** | Recombinant |
| **Species** | Human |
| **Sequence** | MQPPPSLCGRALVALVLACGLSRIWGEERGFPPDRATPL<br>LQTAEIMTPPT<br>KTLWPKGSNASLARSLAPAEVPKGDRTAGSPPRTISPPP<br>CQGPIEIKETF<br>KYINTVVSCLVFVLGIIGNSTLLRIIYKNKCMRNGPNILIASLAL<br>GDLLH<br>IVIDIPINVYKLLAEDWPFGAEMCKLVPFIQKASVGITVLSLC<br>ALSIDRY<br>RAVASWSRIKGIGVPKWTAVEIVLIWVVSVVLAVPEAIGFDI<br>ITMDYKGS<br>YLRICLLHPVQKTAFMQFYKTAKDWWLFSFYFCLPLAITAF<br>FYTLMTCEM<br>LRKKSGMQIALNDHLKQRREVAKTVFCLVLVFALCWLPLH<br>LSRILKLTLY<br>NQNDPNRCELLSFLLVLDYIGINMASLNSCINPIALYLVSKR<br>FKNCFKSC<br>LCCWCQSFEEKQSLEEKQSCLKFKANDHGYDNFRSSNK<br>YSSS |
| **Predicted molecular weight** | 76 kDa including tags |
| **Amino acids** | 1 to 442 |

### Specifications

Our Abpromise guarantee covers the use of **ab152358** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| **Applications** | SDS-PAGE<br>Western blot<br>ELISA |
| **Form** | Liquid |
| **Additional notes** | |

## Preparation and Storage

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| **Stability and Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.<br>pH: 8.00<br>Constituents: 0.31% Glutathione, 0.79% Tris HCl |

## General Info

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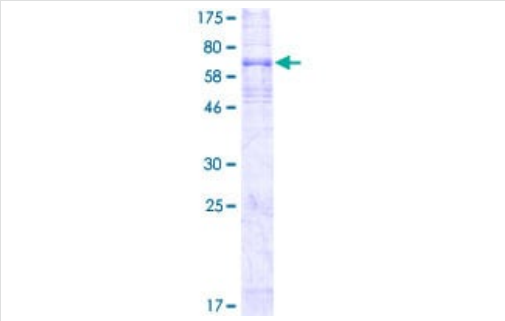
| **Function** | Non-specific receptor for endothelin 1, 2, and 3. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. |
| **Tissue specificity** | Expressed in placental stem villi vessels, but not in cultured placental villi smooth muscle cells. |
| **Involvement in disease** | Defects in EDNRB are a cause of Waardenburg syndrome type 4A (WS4A) [MIM:277580]; also known as Waardenburg-Shah syndrome. WS4A is characterized by the association of Waardenburg features (depigmentation and deafness) and the absence of enteric ganglia in the distal part of the intestine (Hirschsprung disease).<br>Defects in EDNRB are the cause of Hirschsprung disease type 2 (HSCR2) [MIM:600155]; also known as aganglionic megacolon (MGC). HSCR2 is a congenital disorder characterized by absence of enteric ganglia along a variable length of the intestine. It is the most common cause of congenital intestinal obstruction. Early symptoms range from complete acute neonatal obstruction, characterized by vomiting, abdominal distention and failure to pass stool, to chronic constipation in the older child.<br>Defects in EDNRB are the cause of ABCD syndrome (ABCDS) [MIM:600501]. ABCD syndrome is an autosomal recessive syndrome characterized by albinism, black lock at temporal occipital region, bilateral deafness, aganglionosis of the large intestine and total absence of neurocytes and nerve fibers in the small intestine. |
| **Sequence similarities** | Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRB sub-subfamily. |
| **Post-translational modifications** | Palmitoylation of Cys-402 was confirmed by the palmitoylation of Cys-402 in a deletion mutant lacking both Cys-403 and Cys-405. |
| **Cellular localization** | Cell membrane. |

## Images




SDS-PAGE - Recombinant Human Endothelin B Receptor/ET-B protein (ab152358)

12.5% SDS-PAGE analysis of ab152358 stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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