

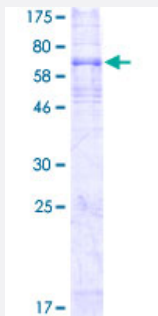
Full-Length

EDNRB (Human) Recombinant Protein (P01)

Catalog # H00001910-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EDNRB full-length ORF (AAH14472.1, 1 a.a. - 442 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQPPPSLCGRALVALVLACGLSRWGEERGFPDRATPLLQTAEIMTPPTKTLWPKGSNASLARS
LAPAEVPGKDRTAGSPPTISPPPCQGPIEKETFYINTVVSCLVFLGIIGNSTLLRIYKNKCMRN
GPNILIASLALGDLLHVIDIPINVYKLLAEDWPFGAEMCKLVPIQKASVGITVLSLCALSIDRYRAVA
SWSRIKGIGVPKWTAVEMLMVVSVVLAPEAIGFDITMDYKGSYLRICLLHPVQKTAQFMQFYKTA
KDWWLFSFYFCLPLAITAFFYTLMTCEMLRKKSGMQIALNDHLKQRREVAKTVFCLVLVFALCWL
PLHLSRILKLTLYNQNDPNRCELLSFLLVLDYIGINMASLNSCINPIALYVSKRFKNCFKSCLCCWC
QSFEKQSLEEKQSCLKFKANDHGYDNFRSSNKYSSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76

Interspecies Antigen Sequence

Mouse (89); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EDNRB

Entrez GeneID	1910
GeneBank Accession#	BC014472.1
Protein Accession#	AAH14472.1
Gene Name	EDNRB
Gene Alias	ABCD5, ETB, ETBR, ETRB, HSCR, HSCR2
Gene Description	endothelin receptor type B
Omim ID	131244 277580 600155 600501
Gene Ontology	Hyperlink
Gene Summary	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. Three transcript variants encoding two different isoforms have been found for this gene. While both isoforms bind ET1, they exhibit different responses upon binding, suggesting that they may be functionally distinct. [provided by RefSeq]
Other Designations	OTTHUMP00000178736 endothelin receptor non-selective type

Pathway

- [Calcium signaling pathway](#)
- [Melanogenesis](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cystic Fibrosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Digestive System Abnormalities](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hirschsprung Disease](#)
- [Hypertension](#)

- [Leukoaraiosis](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Scleroderma](#)
- [Skin Neoplasms](#)
- [Stroke](#)
- [Vision Disorders](#)