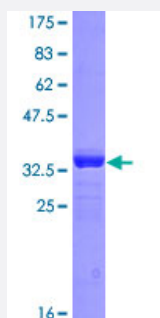


EDNRB (Human) Recombinant Protein (Q01)

Catalog # H00001910-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EDNRB partial ORF (AAH14472, 27 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EERGFPDRATPLLQTAEIMTPPTKLWPKGSNASLARS LAPAEV PKGDRTAGSPPTISPPPCQ GPIEKETFK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.88
Interspecies Antigen Sequence	Mouse (67); Rat (68)
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](#)

Protein Accession# [AAH14472](#)

Gene Name EDNRB

Gene Alias ABCDS, 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](#)