

Recombinant Human EDNRB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EDNRB-1376H Lot. No. (See product label)

SPECIFICATION

Product Overview	EDNRB MS Standard C13 and N15-labeled recombinant protein (NP_000106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.6 kDa
AA Sequence	MQPPPSLCGRALVALVLACGLSRIWGEERGFPDRATPLLQTAEIMTPPTKTLWPK GSNASLARSLAPAEVPGKDRTAGSPPTISPPPCQGPIEKETFKYINTVVSVCLVFVL GIIGNSTLLRIIYKNKCMRNGPNILIASLALGDLLHIVIDIPINVYKLLAEDWPFGAEMCK LVPFIQKASVGITVLSLCALSIDRYRAVASWSRIKGIGVPKWTAVEIVLIWVSVVLAVP EAIGFDIITMDYKGSYLRLICLLHPVQKTAQFMQFYKTAKDWWLFSFYFCLPLAITAFFYT LMTCEMLRKKSGMQIALNDHLKQRREVAKTVFCLVLVFALCWLPLHLSRILKLTLYN QNDPNRCELLSFLVLDYIGINMASLNSCINPIALYLVSKRFKNCFKSCLCCWCQSFE

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	EKQSLEEKQSCLKFKANDHGYDNFRSSNKYSSSTRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	EDNRB endothelin receptor type B [Homo sapiens (human)]
Official Symbol	EDNRB
Synonyms	EDNRB; endothelin receptor type B; HSCR, HSCR2; endothelin B receptor; ETB; endothelin receptor non-selective type; ET-B; ETBR; ETRB; HSCR; WS4A; ABCDS; ET-BR; HSCR2;
Gene ID	1910
mRNA Refseq	NM_000115
Protein Refseq	NP_000106
MIM	131244

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UniProt ID

P24530

SDS-PAGE

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