

Recombinant Mouse Ednrb Protein, Myc/DDK-tagged

Cat. No. Ednrb-2730M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length endothelin receptor type B (Ednrb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the G-protein coupled receptor family. It encodes a receptor for endothelins, peptides that are involved in vasoconstriction. The encoded protein activates a phosphatidylinositol-calcium second messenger system and is required for the development of enteric neurons and melanocytes. Gene disruption causes pigmentation anomalies, deafness, and abnormal dilation of the colon due to defects of neural crest-derived cells. Mutations in this gene are found in the piebald mouse, and mouse models of Hirschsprung's disease and Waardenburg syndrome type 4. Renal collecting duct-specific gene deletion causes sodium retention and hypertension. Alternative splicing results in multiple transcript variants.
Molecular Mass	49.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Ednrb endothelin receptor type B [Mus musculus (house mouse)]
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Official Symbol	Ednrb
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Synonyms	EDNRB; endothelin receptor type B; endothelin B receptor; ET-BR; piebald; endothelin receptor non-selective type; s; ETb; ET-B; ET> B< ETR-b; Sox10m1; AU022549;
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Gene ID	13618
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mRNA Refseq	NM_001136061
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Protein Refseq	NP_001129533
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UniProt ID	P48302
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