

Recombinant Mouse Rnls Protein, Myc/DDK-tagged

Cat. No. Rnls-5561M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length renalase, FAD-dependent amine oxidase (Rnls), transcript variant 1, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the oxidation of the less abundant 1,2-dihydro-beta-NAD(P) and 1,6-dihydro-beta-NAD(P) to form beta-NAD(P)+. The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis.
Molecular Mass	33.3 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	Rnls renalase, FAD-dependent amine oxidase [Mus musculus (house mouse)]
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Official Symbol	Rnls
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Synonyms	RNLS; renalase, FAD-dependent amine oxidase; renalase; MAO-C; mMAO-C; monoamine oxidase-C; AI452315; AW060440; C10orf59; 6530404N21Rik
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Gene ID	67795
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mRNA Refseq	NM_001167818
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UniProt ID	A7RDN6
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