

## Recombinant Mouse Rnls Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 33.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>Concentration</b> | >50 µg/mL as determined by microplate BCA method |
|----------------------|--------------------------------------------------|

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| <b>Storage Buffer</b> | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
|-----------------------|-------------------------------------------------------|

## GENE INFORMATION

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b> | Rnls renalase, FAD-dependent amine oxidase [ Mus musculus (house mouse) ] |
|------------------|---------------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | Rnls |
|------------------------|------|

|                 |                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | RNLS; renalase, FAD-dependent amine oxidase; renalase; MAO-C; mMAO-C; monoamine oxidase-C; AI452315; AW060440; C10orf59; 6530404N21Rik |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 67795 |
|----------------|-------|

|                    |              |
|--------------------|--------------|
| <b>mRNA Refseq</b> | NM_001167818 |
|--------------------|--------------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | A7RDN6 |
|-------------------|--------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA