

## RNLS Human

**Description:** RNLS Human Recombinant produced in E. coli is a single polypeptide chain containing 349 amino acids (18-342) and having a molecular mass of 38.8 kDa. RNLS is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-660

**Synonyms:** Renalase FAD-Dependent Amine Oxidase, Chromosome 10 Open Reading Frame 59, Monoamine Oxidase-C, C10orf59, FLJ11218, Renalase, MAO-C, EC 1.4.-.-.

For research use only.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MGSMALLRRQ TSGPLYLAVW  
DKAEDSGGRM TTACSPHNPQ CTADLGAQYI TCTPHYAKKH QRFYDELLAY GVLRLSSPI  
EGMVMKEGDC NFVAPQGISS IIKHYLKESG AEVYFRHRVT QINLRDDKWE VSKQTGSPEQ  
FDLIVLTMPV PEILQLQGDI TTLISECQRQ QLEAVSYSSR YALGLFYEAG TKIDVPWAGQ  
YITSNPCIRF VS

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The RNLS solution contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Renalase (RNLS) is a flavin adenine dinucleotide-dependent amine oxidase which is secreted into the blood from the kidney. RNLS acts as a hormone which metabolizes circulating catecholamines that have an active role in the sympathetic and parasympathetic nervous systems. High catecholamine concentration activates plasma RNLS and promotes its secretion and synthesis.

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