

Recombinant Mouse RNLS Protein Product Manual

1. Product Basic Information

Product No.: REP08073

Protein Name: Monoamine Oxidase-Alpha-Nad(P)H Oxidase/Anomerase (RNLS)

Aliases: MAO-C10orf59; RENALASE; renalase; monoamine oxidase-alpha-NAD(P)H oxidase/anomerase; renalase, FAD dependent amine oxidase

UniProt ID: Q5VYX0

UniProt Link: <https://www.uniprot.org/uniprotkb/Q5VYX0/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (18-342aa)

Molecular Weight: 52.0kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (18-342aa)

ALLRKEITAPLYLGLWDKGGDIGGRMITASSPHNPRCTADLGAQYITCSPHYVKEHQ
NFYEELLAHGILKPLTSPIEGMKGKEGDCNFVAPQGFSSVIKYYLKKSGAEVSLKHC
VTQIHLKDNKWEVSTDTGSAEQFDLVILTMPAPQILELQGDIVNLISERQREQLKSVS
YSSRYALGLFYEVGMKIGVPWSCRYSHPHCIFISIDNKKRNIESSECGPSVVIQTT
VPFGVQHLEASEADVQKLMIQQLLETILPGLPQPVATICHKWTYSQVTSSVSDRPGQ
MTLHLKPFLVCGGDGFTHSNFGNCISSALSVMKVLKRYI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse RNLS full length of mature protein protein (18-342aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RNLS, also known as MAO-C10orf59 or RENALASE or renalase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.