Recombinant Mouse APRT Protein Product Manual

1. Product Basic Information

Product No.: REP06160

Protein Name: Amp Diphosphorylase (APRT)

Aliases: AMP; APRTD; AMP diphosphorylase; AMP pyrophosphorylase; transphosphoribosidase; adenine phosphoribosyltransferase

UniProt ID: P07741

UniProt Link: https://www.uniprot.org/uniprotkb/P07741/entry

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: Full Length (1-180aa)

Molecular Weight: 32.8 kDa

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

2. Amino Acid Sequence (1-180aa)

MSEPELKLVARRIRSFPDFPIPGVLFRDISPLLKDPDSFRASIRLLASHLKSTHSGKID
YIAGLDSRGFLFGPSLAQELGVGCVLIRKQGKLPGPTVSASYSLEYGKAELEIQKDA
LEPGQRVVIVDDLLATGGTMFAACDLLHQLRAEVVECVSLVELTSLKGRERLGPIPF
FSLLQYD

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

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 APRT full length protein (1-180aa) expressed in Yeast. The protein is with 6xHis-sumostar tag at the N-terminus, which facilitates protein purification, detection and identification. APRT, also known as AMP or APRTD or AMP diphosphorylase, 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.