



Recombinant Human ODC1 Protein Product Manual

1. Product Basic Information

Product No.: REP07677

Protein Name: Ornithine Decarboxylase 1 (ODC1)

Aliases: ODC; BABS; NEDBA; NEDBIA; ornithine decarboxylase 1

UniProt ID: P11926

UniProt Link: <https://www.uniprot.org/uniprotkb/P11926/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-461aa)

Molecular Weight: 71.1 kDa

Protein Tag: N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-461aa)

MNNFGNEEFDCHFLDEGFTAKDILDQKINEVSSSDDKDAFYVADLGDILKKHLRWLK
ALPRVTPFYAVKCNDSKAIVKTLAATGTGFDCASKTEIQLVQSLGVPPERIIYANPCK
QVSQIKYAANNGVQMMTFDSEVELMKVARAHPKAKLVLRATDDSKAVCRLSVKFG
ATLRTSRLLLLERAKELNIDVVGVSFHVSGSGCTDPETFVQAIKDARCVFDMGAIEVGFS
MYLLDIGGGFPGSEDEVKLKFEETGVINPALDKYFSPDSGVRIIAEPGRYYVASAFTL
AVNIIAKKIVLKEQTGSDDDEDESSEQTTFMYVNDGVYGSFNCILYDHAHVKPLLQKR
PKPDEKYYSSSIWGPTCDGLDRIVERCDLPEMHVGDWMLFENMGAYTVAAASTFN
GFQRPTIYYMSGPAWQLMQQFQNPDPFPEVEEQDASTLPVSCAWESGMKRRHRA
ACASASINV

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 Human ODC1 full length protein (1-461aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ODC1, also known as ODC or BABS or NEDBA, 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.