



Recombinant Mouse NEUROD1 Protein Product Manual

1. Product Basic Information

Product No.: REP07588

Protein Name: Basic Helix-Loop-Helix Transcription Factor (NEUROD1)

Aliases: T2D; BETA2; BHF-MODY6; NEUROD; bHLHa3; basic helix-loop-helix transcription factor

UniProt ID: Q13562

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13562/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-357aa)

Molecular Weight: 47.5 kDa

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

2. Amino Acid Sequence (1-357aa)

MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDLEAMNAEEDSLR
NGEEEEEEDEDELEEEEEEEEEEDQKPKRRGPKKKKMTKARLERFKLRRMKANAR
ERNRMHGLNAAALDNLRKVVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKSPDLV
SFVQTLCKGLSQPTTNLVAGCLQLNPRTFLPEQNPDMPPHLPTASASFPVHPYSYQ
SPGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPLSI
NGNFSFKHEPSAEFEKNYAFTMHYPAATLAGPQSHGSIFSSGAAAPRCEIPIDNIMS
FDSHSHHERVMSAQLNAIFHD

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 NEUROD1 full length protein (1-357aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. NEUROD1, also known as T2D or BETA2 or BHF-MODY6, 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.