



Recombinant Human GNE Protein Product Manual

1. Product Basic Information

Product No.: REP07005

Protein Name: N-Acylmannosamine Kinase (GNE)

Aliases: NM; DMRV; IBM2; Uae1; GLCNE; THC12; N-acylmannosamine kinase; UDP-GlcNAc-2-epimerase/ManAc kinase

UniProt ID: Q9Y223

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9Y223/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-722aa)

Molecular Weight: 86.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-722aa)

MEKNGNNRKLRVCVATCNRADYSKLAPIMFGIKTEPEFFELDVVVLGSHLIDDYGNT
YRMIEQDDFDINTRLHTIVRGEDEAAMVESVGLALVKLPDVLNRLKPDIMIVHGDRFD
ALALATSAALMNIRILHIEGGEVSGTIDDSIRHAITKLAHYHVCCTRSAEQHLISMCD
HDRILLAGCPSYDKLLSAKNKDYMSIIRMWLGDDVKSKDYIVALQHPVTTDIKHSIKM
FELTLDALISFNKRTLVLFPNIDAGSKEMVRVMRKKGIEHHPNFRAVKHVPFDQFIQL
VAHAGCMIGNSSCGVREVGAFGTPVINLGTRQIGRETGENVLHVRDADTQDKILQA
LHLQFGKQYPCSKIYGDGNAVPRILKFLKSIDLQEPLQKKFCFPPVKENISQDIDHILE
TLSALAVDLGGTNLRVAIVSMKGEIVKKYTQFNPKTYEERINLILQMCVEAAAEAVKL
NCRILGVGISTGGRVNPREGIVLHSTKLIQEWNSVDLRTPLSDTLHLPVWVDNDGNC
AALAERKFGQGKGLENFVTLITGTGIGGGIIHQHELIHGSSFCAAELGHLVVS LDGPD
CSCGSHGCIEAYASGMALQREAKKLHDEDL LVEGMSVPKDEAVGALHLIQA AKLG
NAKAQSILRTAGTALGLGVNLTHTMNP SLVILSGVLASHYIHIVKDVIRQQALSSVQD
VDVVVSDLVDPALLGAASMVLDTTTRRIY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
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 Human GNE full length protein (1-722aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. GNE, also known as NM or DMRV or IBM2, 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.