

General Information

Gene Name Synonym

UDP-GlcNAc-2-epimerase/ManAc kinase [Includes: UDP-N-acetylglucosamine 2-epimerase; hydrolyzing; EC 3.2.1.183; UDP-GlcNAc-2-epimerase; Uridine diphosphate-N-acetylglucosamine-2-epimerase; N-acetylmannosamine kinase; EC 2.7.1.60; ManAc kinase]

Protein Construction

A DNA sequence encoding the human GNE (NP_001121699.1) 407-753 aa was fused with the N-terminal GST tag

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Not tested.

Endotoxin

Please contact the lab for more information.

Stability

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

Formulation

Protein lyophilized in sterile PBS (58 mM

Na₂HPO₄, 17 mM NaH₂PO₄, 68 mM NaCl, 100 mM GSH, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before lyophilization.

Usage Guide

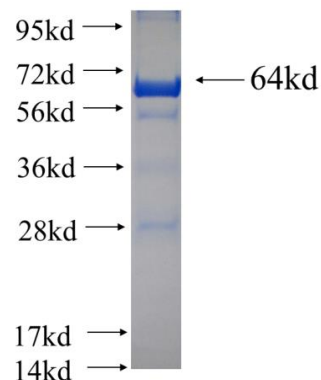
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

SDS-PAGE



Recombinant human GNE SDS-PAGE