



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## GNE 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00010020-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

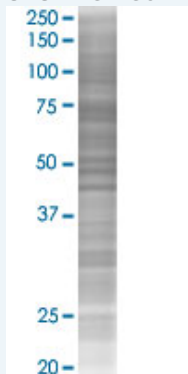
**Plasmid:** pCMV-GNE full-length

**Host:** Human

**Theoretical MW (kDa):** 79.3

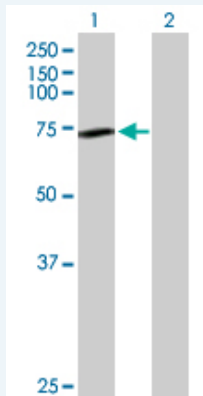
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-GNE antibody (H00010020-D01P) by Western Blots.

#### SDS-PAGE Gel



GNE transfected lysate.

#### Western Blot



Lane 1: GNE transfected lysate ( 79.30 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [10020](#)

GeneBank [NM\\_005476.3](#)  
Accession#:

Protein [NP\\_005467.1](#)  
Accession#:

Gene Name: GNE

Gene Alias: DMRV, GLCNE, IBM2, NM, Uae1

Gene Description: glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase

Omim ID: [269921](#), [600737](#), [603824](#), [605820](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a bifunctional enzyme that initiates and regulates the biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. It is a rate-limiting enzyme in the sialic acid biosynthetic pathway. Sialic acid modification of cell surface molecules is crucial for their function in many biologic processes, including cell adhesion and signal transduction. Differential sialylation of cell surface molecules is also implicated in the tumorigenicity and metastatic behavior of malignant cells. Mutations in this gene are associated with sialuria, autosomal recessive inclusion body myopathy, and Nonaka myopathy. Alternative splicing of this gene results in transcript variants encoding different isoforms. [provided by RefSeq]

**Other Designations:** N-acylmannosamine kinase, OTTHUMP00000021370, UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase, UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase

### Gene Pathway

[Amino sugar and nucleotide sugar metabolism](#) [Metabolic pathways](#)

### Related Disease

[Myositis, Inclusion Body](#)