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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GNE (Human) Recombinant Protein (P01)

Catalog Number: H00010020-P01

Regulation Status: For research use only (RUO)

Product Description: Human GNE full-length ORF (NP_005467.1, 1 a.a. - 722 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEKNGNRRKLRVCVATCNRADYSKLAPIMFGIKTEPE
FFELDVVVLGSHLIDDYGNTYRMIEQDDFDINTRLHTIV
RGEDEAAMVESVGLALVKLPDVLNRLKPDIMIVHGDRF
DALALATSAALMNIRILHIEGGEVSGTIDDSIRHAITKLA
HYHVCCTRSAEQHLISMCEDHDRILLAGCPSYDKLLSA
KNKDYMSIIRMWLGDDVKSVDYIVALQHPVTTDIKHSIK
MFELTLDALISFNKRTLVLFPNIDAGSKEMVRVMRKKGI
EHHPNFRAVKHVPFDQFIQLVAHAGCMIGNSSCGVRE
VGAFGTPVINLGRQIGRETGENVLHVRDADTQDKILQ
ALHLQFGKQYPCSKIYGDGNAVPRILKFLKSIDLQEPLQ
KKFCFPPVKENISQDIDHILELSALAVDLGGTNLRVAIV
SMKGEIVKKYTFNPKTYEERINLILQMCVEAAAEAVK
LNCRILGVGISTGGRVNPREGIVLHSTKLIQEWNSVDL
RTPLSDTLHLPVWVDNDGNCAALAERKFGQGKLEN
FVTLITGTGIGGGIIHQHELIHGSSFCAAELGHLVVSLD
GPDCSCGSHGCIEAYASGMALQREAKKLHDEDLLLVE
GMSVPKDEAVGALHLIQAACKLGNAAQSI LR TAGTALG
LGVVNILHTMNP SLVILSGVLASHYIHIVKDVIRQQALSS
VQDQDVVVSDLVDPALLGAASMVLDTTRRIY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 105.7

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Entrez GeneID: 10020

Gene Symbol: GNE

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

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]