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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GALNT6 (Human) Recombinant Protein (P01)

Catalog Number: H00011226-P01

Regulation Status: For research use only (RUO)

Product Description: Human GALNT6 full-length ORF (NP_009141.2, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRLLRRRHMPLRLAMVGC AFLVFLFLLHRDVSSREEA
TEKPWLKSLVSRKDHVLDLML EAMNLRDSMPKLQIR
APEAQQT LFSINQSCLPGFYTPAELKPFWERPPQDPN
APGADGKAFQKSKWTPLETQEKEEGYKKHCFNAFAS
DRISLQRSLGPDTRPPECVDQKFRRCPLATTSVIIVFH
NEAWSTLLRTVYSVLHTTPAILLKEIILVDDASTEHLKE
KLEQYVKQLQVVRVVRQEERKGLITARLLGASVAQAE
VLTFDLAHCECFHGWLEPLLARIAEDKTVVSPDIVTID
LNTFEFAKPVQRGRVHSRGNFDWSLTFGWETLPPHE
KQRRKDETYPIKSPTFAGGLFSISKSYFEHIGTYDNQM
EIWGGENVEMSFVRVWQC GGQLEIIPCSVGVGHVFR
TKSPHTFPKGTSVIARNQVRLAEVWMDSYKKIFYRRNLQA
AKMAQEKSFGDISERLQLREQLHCHNFSWYLNHVYPE
MFVPDLTPTFYGAIKNLGTNQCLDVGENNRGGKPLIM
YSCHGLGGNQYFEYTTQRDLRHNI AKQLCHVSKGAL
GLGSCHFTGKNSQVPKDEEWELAQDQLIRNSGSGTC
LTSQDKKPAMAPCNPSDPHQLWLFV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 97.6

Interspecies Antigen Sequence: Mouse (88); Rat (87)

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: 11226

Gene Symbol: GALNT6

Gene Alias: GALNAC-T6, GalNAcT6

Gene Summary: This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin. [provided by RefSeq]

References:

1. Morphological Changes, Cadherin Switching, and Growth Suppression in Pancreatic Cancer by GALNT6 Knockdown. Tarhan YE, Kato T, Jang M, Haga Y, Ueda K, Nakamura Y, Park J. *NeoPlasia*. 2016 May. 18(5):265-272.