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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

B4GALT4 (Human) Recombinant Protein (P01)

Catalog Number: H00008702-P01

Regulation Status: For research use only (RUO)

Product Description: Human B4GALT4 full-length ORF (AAH04523.1, 1 a.a. - 344 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGFNLTFFHLSYKFRLLLLLTLCLTVVGWATSNYFVGAI
QEIPKAKEFMANFHKTLILGKGKTLTNEASTKKVELDN
CPSVSPYLRGQSKLIFKPDLTLEEVAENPKVSRGRY
RPEECKALQRVAILVPHRNREKHLMYLLEHLHPFLQR
QLLDYGIYVIHQAEQKFNRAKLLNVGYLEALKEENW
DCFIFHDVLDLPENDFNLYKCEEHPKHLVGRNSTGY
RLRYSYGFYGGVTALSREQFFKVNQFSNNYWGWGGE
DDDLRLRVELQRMKISRPLPEVGKYTMVFHTRDKGNE
VNAERMKLLHQVSRVWRDGLSSCSYKLVSVVEHNPL
YINITVDFWFGA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 66.4

Interspecies Antigen Sequence: Mouse (84); Rat (85)

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: 8702

Gene Symbol: B4GALT4

Gene Alias: B4Gal-T4, beta4Gal-T4

Gene Summary: This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]