

## Recombinant Human B3GAT1 protein, GST-tagged

**Cat. No.** B3GAT1-015H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human B3GAT1 partial ORF (ABM86204.1, 28 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq] |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 59.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | TLAPLLAVHKDEGSDPRRETTPPGADPREYCTSDRDIVEVVRTEYVYTRPPPWSDTL<br>PTIHVVTPYSRPVQKAELTRMANTLLHVPNLHWLVVEDAPRRTPLTARLLRDTGLN<br>YTHLHVETPRNYKLRGDARDPRIPRGTMQRNLALRWLRETFPRNSSQPGVVYFAD<br>DDNTYSLELFEEMRSTRRVSVWPVAFVGGRLRYEAPRVNGAGKVVGWKTVPDHRP<br>FAIDMAGFAVNLRLILQRSQAYFKLRGVKGGYQESSLLRELVTLNDLEPKAANCTKIL<br>VWHTRTEKPVLVNEGKKGFTDPSVEI                                                                                                                                                                 |

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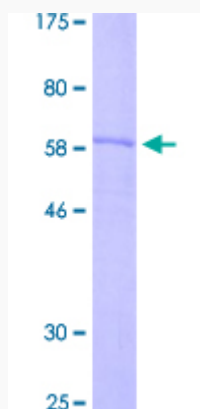
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|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | B3GAT1 beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [ Homo sapiens ]                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | B3GAT1                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | B3GAT1; beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P); CD57, CD57 antigen , LEU7; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; GlcAT P; HNK 1; NK 1; glcUAT-P; LEU7 antigen; glucuronosyltransferase P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; NK1; CD57; HNK1; LEU7; NK-1; GLCATP; GLCUATP; |
| <b>Gene ID</b>          | 27087                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_018644                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_061114                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 151290                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q9P2W7                                                                                                                                                                                                                                                                                                                                              |

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