

B3GAT1 (Human) Recombinant Protein

Catalog # P9094

Size 2 x 10 ug

Specification

Product Description

Human B3GAT1 (Q9P2W7, 28 a.a. - 334 a.a.) partial-length recombinant protein with His tag at C-terminus expressed in *Baculovirus*.

Sequence

ADPTLAPLLAVHKDEGSDPRRETTPPGADPREYCTSDRDIVEVVRTEYVYTRPPPWSDTLPTIHVV
TPTYSRPVQKAELTRMANTLLHVPNLHWLVVEDAPRRTPLTARLLRDTGLNYTHLHVETPRNYKLR
GDARDPRIPRGTMQRNLALRWLRETFPRNSSQPGVVYFADDDNTYSLELFEEMRSTRRVSVWP
VAFVGGRLRYEAPRVNGAGKVVGWKTVFDPHRPFIDMAGFAVNLRLILQRSQAYFKLRGVKGGY
QESSLLRELVTLNDLEPKAANCTKILVWHTRTEKPVLVNEGKKGFTDPSVEILEPKSCDKTHTCPP
CPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR
EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE
LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGN
VFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH.

Host

Nicotiana benthamiana

Theoretical MW (kDa)

62.3

Form

Liquid

Preparation Method

Baculovirus expression system

Purity

> 90% by SDS-PAGE.

Storage Buffer

20mM Tris-HCl buffer (pH 7.5), 10% glycerol and 0.1M NaCl.

Storage Instruction

Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — B3GAT1

Entrez GeneID

[27087](#)

Protein Accession#	Q9P2W7
Gene Name	B3GAT1
Gene Alias	CD57, GLCATP, GlcAT-P, GlcUAT-P, HNK-1, HNK1, LEU7, NK-1
Gene Description	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)
Omim ID	151290
Gene Ontology	Hyperlink
Gene Summary	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 CD 57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by Ref Seq]
Other Designations	CD57 antigen LEU7 antigen UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase beta-1,3-glucuronyltransferase 1 galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 glucuronosyltransferase P

Pathway

- [Chondroitin sulfate biosynthesis](#)
- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)