

# Product Data Sheet

## Recombinant Human B3GNT1 Protein

Catalog #	Source	Reactivity	Applications
CRP1097	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human B3GNT1 Protein is produced by our mammalian expression system and the target gene encoding Asp43-Cys415 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.		
Gene Symbol	B3GNT1		
Alternative Names	B3GNT6; N-acetyllactosaminide beta-13-N-acetylglucosaminyltransferase; I-beta-13-N-acetylglucosaminyltransferase; iGnT; Poly-N-acetyllactosamine extension enzyme; UDP-GlcNAc:betaGal beta-13-N-acetylglucosaminyltransferase 1		
Entrez Gene	11041 (Human)		
SwissProt	O43505 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	DQYFEFFPPS PRSVDQVKAQ LRTALASGGV LDASGDYRVY RGLLKTMDP NDVILATHAS VDNLLHLSGL LERWEGPLSV SVFAATKEEA QLATVLAYAL SSHCPDMRAR VAMHLVCPSR YEAAVPDPRE PGEFALLRSC QEVFDKLARV AQPGINYALG TNVSYPNNLL RNLAREGANY ALVIDVDMVP SEGLWRGLRE MLDQSNQWGG TALVVPAFEI RRARRMPMNK NELVQLYQVG EVRPFYYGLC TPCQAPTNYR RWVNLPEESL LRPAYVVPWQ DPWEPFYVAG GKVPTFDERF RQYGFNRISQ ACELVHAGFD FEVLNEGFLV HKGFKEALKF HPQKEAENQH NKILYRQFKQ ELKAKYPNSP RRCVDHHHHH H		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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