

## Recombinant Human POMGNT1 Protein

Catalog #	Source	Reactivity	Applications
CRP2129	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human POMGNT1 Protein is produced by our Mammalian expression system and the target gene encoding Leu59-Thr660 is expressed with a 6His tag at the C-terminus.

**Form** Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.

**Gene Symbol** POMGNT1

**Alternative Names** MGAT1.2; Protein O-linked-mannose beta-12-N-acetylglucosaminyltransferase 1; POMGnT1; UDP-GlcNAc:alpha-D-mannoside beta-12-N-acetylglucosaminyltransferase I.2; GnT I.2

**Entrez Gene** 55624 (Human)

**SwissProt** Q8WZA1 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** LDTRRAISEA NEDPEPEQDY DEALGRLEPP RRRGSGPRRV LDVEVYSSRS KVVVAVDGTT VLEDEAREQG RGIHVIVLNQ ATGHVMAKR V FDTYSPHEDE AMVLFLNMVA PGRVLICTVK DEGSFHLKDT AKALLRSLGS QAGPALGWRD TWAFVGRKGG PVFGEKHSKS PALSSWGDPV LLKTDVPLSS AVEAECHWAD TELNRRRRRF CSKVEGYGSV CCKDPTPIE FSPDPLPDNK VLNVPVAVIA GNRPNYLYRM LRSLLSAQGV SPQMITVFID GYEEPM DVV ALFGLRGIQH TPISIKNARV SQHYKASLTA TFNLFPEAKF AVVLEEDLDI AVDFFSFLSQ SIHLLEEDDS LYCISAWNDQ GYEHTAEDPA LLYRVETMPG LGWVLRRLSY KEELEPKWPT PEKLWDWDMW MRMPEQRRGR ECIIPDVSRS YHFGIVGLNM NGYFHEAYFK KHKFNTVPGV QLRNVDSLKK EAYEVEVHRL LSEAEVLDHS KNPCEDSFLP DTEGHTYVAF

**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

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com

## Product Data Sheet

IRMEKDDDFD TWTQLAKCLH IWDLDVRGNH RGLWRLFRKK NHFLVVGVPA SPYSVKKPPS  
VTPIFLEPPP KEEGAPGAPE QTVDHHHHHHH

**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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage/Stability**

Store it at -20°C to -80°C for one year.

**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

### COHESION BIOSCIENCES LIMITED

**WEB**

[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**

[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)