

32-8430: Recombinant Human Polypeptide GalNac Transferase 3/GALNT3 (C-6His)(Discontinued)

 Gene :
 GALNT3

 Gene ID :
 2591

 Uniprot ID :
 Q14435

Description

Source: Human Cells.

MW :69.1kD.

Recombinant Human GALNT3 is produced by our Mammalian expression system and the target gene encoding GIn38-Asp633 is expressed with a 6His tag at the C-terminus. Polypeptide N-acetylgalactosaminyltransferase 3(GALNT3) belongs to the glycosyltransferase 2 family and galNAc-T subfamily. It expressed in organs that contain secretory epithelial glands and it highly expressed in pancreas, skin, kidney and testis. There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding .This protein plays a major role in regulating phosphate levels within the body (phosphate homeostasis). Among its many functions, phosphate plays a critical role in the formation and growth of bones in childhood and helps maintain bone strength in adults.

Product Info

| Amount : | 10 μg / 50 μg |
|---------------------|---|
| Content : | Supplied as a 0.2 μ m filtered solution of 20mM PB,150mM NaCl,pH7.4. |
| Storage condition : | Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| Amino Acid : | QREVSVQYSKEESRMERNMKNKNKMLDLMLEAVNNIKDAMPKMQIGAPVRQNIDAGERPCLQGYYTAAELKP VLDRPPQDSNAPGASGKAFKTTNLSVEEQKEKERGEAKHCFNAFASDRISLHRDLGPDTRPPECIEQKFKRCPP LPTTSVIIVFHNEAWSTLLRTVHSVLYSSPAILLKEIILVDDASVDEYLHDKLDEYVKQFSIVKIVRQRERKGLITAR LLGATVATAETLTFLDAHCECFYGWLEPLLARIAENYTAVVSPDIASIDLNTFEFNKPSPYGSNHNRGNFDWSLS FGWESLPDHEKQRRKDETYPIKTPTFAGGLFSISKEYFEYIGSYDEEMEIWGGENIEMSFRVWQCGGQLEIMPC SVVGHVFRSKSPHSFPKGTQVIARNQVRLAEVWMDEYKEIFYRRNTDAAKIVKQKAFGDLSKRFEIKHRLQCKN FTWYLNNIYPEVYVPDLNPVISGYIKSVGQPLCLDVGENNQGGKPLIMYTCHGLGGGNQYFEYSAQHEIRHNIQKE LCLHAAQGLVQLKACTYKGHKTVVTGEQIWEIQKDQLLYNPFLKMCLSANGEHPSLVSCNPSDPLQKWILSQN DVDHHHHHH |

Application Note

Endotoxin : Less than 0.1 ng/ \tilde{A}] $\hat{A}\mu g$ (1 IEU/ \tilde{A}] $\hat{A}\mu g$) as determined by LAL test.