

[Go to Product page](#)

Datasheet for ABIN1945460

**GALNT3 Protein (AA 38-633) (His tag)**

## Overview

Quantity:	50 µg
Target:	GALNT3
Protein Characteristics:	AA 38-633
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT3 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Polypeptide GalNac Transferase 3/GALNT3 (C-6His)
Sequence:	QREVSVQYSK EESRMERNMK NKNKMLDLML EAVNNIKDAM PKMQIGAPVR QNIDAGERPC LQGYTAAEL KPVLDRPPQD SNAPGASGKA FKTTNLSVEE QKEKERGEAK HCFNAFASDR ISLHRDLGPD TRPPECIEQK FKRCPPPLPTT SVIIVFHNEA WSTLLRTVHS VLYSSPAILL KEIILVDDAS VDEYLHDKLD EYVKQFSIVK IVRQERERKGL ITARLLGATV ATAETLTFLD AHCECFYGWL EPLLARIAEN YTAVVSPDIA SIDLNTFEFN KPSPYGSNHN RGNFDWLSLSF GWESLPDHEK QRRKDETYPI KTPTFAGGLF SISKEYFEYI GSYDEEMEIW GGENIEMSFR VWQCGGQLEI MPCSVVGHVF RSKSPHSFPK GTQVIARNQV RLAEVWMDEY KEIFYRRNTD AAKIVKQKAF GDLSKRFEIK HRLQCKNFTW YLNNIYPEVY VPDLPNPVISG YIKSVGQPLC LDVGENNQGG KPLIMYTCHG LGGNQYFEYS AQHEIRHNIQ KELCLHAAQG LVQLKACTYK GHKTVVTGEQ IWEIQKDQLL YNPFLKMCLS ANGEHPSLVS CNPSDPLQKW ILSQNDVDHH HHHH
Characteristics:	Recombinant Human GALNT3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 39-633) of Human GALNT3 fused with

## Product Details

	a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	GALNT3
Alternative Name:	GALNT3 ( <a href="#">GALNT3 Products</a> )
Background:	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.
Molecular Weight:	69.1 kDa
UniProt:	<a href="#">Q14435</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

---

Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months