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Datasheet for ABIN7318920 **GALNT3 Protein (His tag)**

Overview

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

Product Details

Purpose:	Recombinant Human GALNT3 Protein (His Tag)
Sequence:	Gln38-Asp633
Characteristics:	Recombinant Human Polypeptide N-acetylgalactosaminyltransferase 3 is produced by our Mammalian expression system and the target gene encoding Gln38-Asp633 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GALNT3
Alternative Name:	GALNT3 (GALNT3 Products)
Background:	Background: Polypeptide N-acetylgalactosaminyltransferase 3(GALNT3) belongs to the glycosyltransferase 2 family and galNAc-T subfamily. It expressed in organs that contain

Target Details

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.

Synonym: Polypeptide N-acetylgalactosaminyltransferase 3, Polypeptide GalNAc transferase 3, GalNAc-T3, pp-GaNTase 3, Protein-UDP acetylgalactosaminyltransferase 3, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 3, HFTC, HHS

Molecular Weight:	69.1 kDa
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UniProt:	Q14435
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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