Recombinant Human GALNT3 Protein (His Tag)

Catalog Number:PKSH032915

Note: Centrifuge before opening to ensure complete recovery of vial contents.

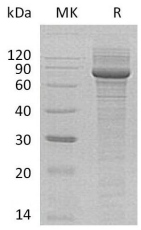
Description

Synonyms	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
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln38-Asp633
Accession	Q14435
Calculated Molecular Weight	69.1 kDa
Observed molecular weight	80 kDa
Tag	C-His

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

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.

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