Recombinant Bovine Beta-1,4-galactosyltransferase 1/B4GALT1 Protein

Catalog No.: RPT0036LQ

Sequence Information

Species
Bos taurus (Bovine)

Gene ID
281781

Swiss Prot
P08037

Tags
C-His

Synonyms
B4GALT1,b4Gal-T1,B4GALT1, GALT, GGTB2,Beta-1,4-galactosyltransferase 1, Beta-1,4-GalTase 1, Beta4Gal-T1,b4Gal-T1

Product Information

Source
HEK293 cells

Purification

Calculated MW
41.01 kDa

Observed MW
45-55 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
0.22 μm filtered solution of 20mM Tris-Hcl, PH7.4, 200mM Nacl, 20% glycerol.

Reconstitution

Background

The Golgi complex form catalyzes the production of lactose in the lactating mammary gland and could also be responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.The cell surface form functions as a recognition molecule during a variety of cell to cell and cell to matrix interactions, as those occurring during development and egg fertilization, by binding to specific oligosaccharide ligands on opposing cells or in the extracellular matrix. The secreted form is responsible for the synthesis of complex-type to N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.

Basic Information

Description
Recombinant Bovine Beta-1,4-galactosyltransferase 1/B4GALT1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg45-Ser402) of Bovine Beta-1,4-galactosyltransferase 1 /B4GALT1G (Accession #NP_803478.1) fused with a His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data

No validation data available.