

Recombinant Bovine Beta-1,4-galactosyltransferase 1(B4GALT1),partial

Catalog No: #AP70070

Package Size: #AP70070-1 20ug #AP70070-2 100ug #AP70070-3 1mg

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Description

Product Name	Recombinant Bovine Beta-1,4-galactosyltransferase 1(B4GALT1),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-24aaSequence Info:Cytoplasmic Domain
Other Names	UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1
Accession No.	P08037
Calculated MW	29.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MKFREPLLGGSAAMPGASLQRACR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 domain matrix.

References

The role of tryptophan 314 in the conformational changes of beta1,4-galactosyltransferase-I.Ramasamy V., Ramakrishnan B., Boeggeman E., Qasba P.K.J. Mol. Biol. 331:1065-1076(2003)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.