

alpha-1,4-Galactosyltransferase (LgtC)

Cat. No.:	HY-E70047	
CAS No.:	52725-57-2	
Target:	Glycosyltransferase	
Pathway:	Epigenetics	alpha-1,4-Galactosyltransferase (LgtC)
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

alpha-1,4-Galactosyltransferase (LgtC) (A4GALT) is a glycosphingolipid-specific glycosyltransferase. alpha-1,4-Galactosyltransferase (LgtC) transfers a galactose to the alpha-1,4 position of lactosylceramide to form globotriaosylceramide. alpha-1,4-Galactosyltransferase (LgtC) can be used for the synthesis of P1 blood group antigens^{[1][2]}.

REFERENCES

- [1]. Kaczmarek R, et al. Evaluation of an amino acid residue critical for the specificity and activity of human Gb3/CD77 synthase. *Glycoconj J.* 2016 Dec;33(6):963-973.
- [2]. Iwamura K, et al. The blood group P1 synthase gene is identical to the Gb3/CD77 synthase gene. A clue to the solution of the P1/P2/p puzzle. *J Biol Chem.* 2003 Nov 7;278(45):44429-38.

Caution: Product has not been fully validated for medical applications. For research use only.

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