

α 1, 4-Galactosyltransferase

Product Information

Cat#	DIA-911
Descriptions	α 1, 4-galactosyltransferase specifically transfers galactose residues via α -1,4 glycosidic linkages to lactosylceramide acceptors, drives the biosynthesis of globotriaosylceramide (Gb3) and related globo-series glycosphingolipids, and supports glycolipid function and bacterial toxin binding mechanism research.
Applications	α 1, 4-galactosyltransferase is applied in Gb3 antigen detection kits and globo-series glycosphingolipid assay reagent development.
CAS No.	52725-57-2
Enzyme Commission Number	EC 2.4.1.228
Enzyme Source	E. coli recombinant α 1,4-galactosyltransferase from Neisseria meningitides.
Synonyms	LgtC
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol of Gal α 1,4Lac from UDP-Gal and Lactose per minute at 37 °C.