

GLYcoDiag is a French company specialized in **glycobiology and glycoanalysis services and products** for the biotech, pharma, veterinary, cosmetic and diagnostic industries. Our unique experience provides the services and products needed to speed up your projects. **Visit our website for more information www.glycodiag.com**

Focus on recombinant lectins available

GLYcoDiag proposes continuously original lectins (*i.e.* natural or recombinant) for your research and development projects in glycosciences. Have a look, on the list of our recombinant lectins available below. Moreover, all our lectins are available labelled or not labelled with biotin or fluorescein.

RPLs Lectins

GLYcoDiag has recently strengthened its collaboration, that began five years ago, with **GlycoSeLect** and has started to be a distributor of their lectins (RPLs lectins). RPLs are enhanced glycoselective bioaffinity proteins that enable efficient detection, analysis and isolation of glycosylated biomolecules. They can be used in a wide range of formats to fast and simply detect, analyze and isolate intact glycosylated biomolecules.



See *Table 1* below for the specificities of RPLs lectins.

Reference	Short Name	Common name	Glycans structures specificity
L2095	RPL-αGal	Recombinant Prokaryotic Lectin αGal	Terminal α-linked Gal & GalNAc
L1579	RPL-Gal1	Recombinant Prokaryotic Lectin Gal1	Terminal β-linked Gal & LacNAc
L1580	RPL-Gal2	Recombinant Prokaryotic Lectin Gal2	Terminal α-linked Gal > GalNAc
L1581	RPL-Gal3	Recombinant Prokaryotic Lectin Gal3	Terminal α-linked Gal
L1582	RPL-Gal4	Recombinant Prokaryotic Lectin Gal4	Terminal β-linked Gal, LacNAc & Lewis x (Lex)
L1583	RPL-αMan	Recombinant Prokaryotic Lectin αMannose	Fucose/Mannose: Lewis a (Lea), Lewis x (Lex) & terminal α-mannose
L1584	RPL-Man2	Recombinant Prokaryotic Lectin Man2	Terminal α-mannose
L2096	RPL-Sia1	Recombinant Prokaryotic Lectin Sia1	Terminal α2-3-linked Sialic Acid (Neu5Ac) – on both N-linked and O-Linked
L2097	RPL-Sia2	Recombinant Prokaryotic Lectin Sia2	Terminal α 2-3-linked Sialic Acid (Neu5Ac) on O-Linked Glycans
L2098	RPL-Sia3	Recombinant Prokaryotic Lectin Sia3	Terminal α-linked Neu5Ac
L2099	RPL-Fuc1	Recombinant Prokaryotic Lectin Fuc1	α-linked Fucose

Table 1. Specificity of RPLs lectins

Others recombinants Lectins

Reference	Short Name	Common name	Glycans structures specificity
L1255	BC2L-A	Burkholderia cenocepacia lectin A	Manα1-2, Manα1-3, Manα1-6, dimannoside,
L1256	BC2L-C	Burkholderia cenocepacia lectin C (N terminal domain)	Fuc, oligo H type I, Lewis B, Lewis Y
L1688	FimH	Escherichia coli adhesin FimH	Mannosylated structure
L2094	HPyL	Human Polyomavirus 9 VP1	Neu5Gc
L1257	PA-IL	Pseudomonas aeruginosa lectin A	Galα, Globoside
L1259	PAII-L	Pseudomonas aeruginosa lectin B (Lec B)	Fuc >> Man, Lewis A
L1258	RSL	Ralstonia solanacearum	Fuc

Table 2. Specificity of others recombinant lectins

Contact-us for more information and quotation

GLYcoDiag's last publications

- GLYcoPROFILE® used for the development of emotional active ingredient

Queiroz, A., Landemarre, L., Vial, F., Aubert, A., *IFSCC Magazine 1 2020*

The GLYcoPROFILE® study was used recently in the development of a new cosmetic ingredient developed by Seqens. This study highlights the ability of a high molecular weight exopolysaccharide to provide a quantifiable benefit versus placebo by visibly enhancing not only the quality of the skin tissue but also **the consumer's emotional state**.

- A review about Galactofuranose-related Enzymes

Senecar, M., Lafite, P., Eliseeva, S. V., Petoud, S., Landemarre, L., Daniellou, R., *Int. J. Mol. Sci. 2020, 21, 3465*.

Galactofuranose is a rare form of the well-known galactose sugar, and its occurrence in numerous pathogenic micro-organisms makes the enzymes responsible for its biosynthesis interesting targets. This review summarizes the role of these carbohydrate-related proteins with a special emphasis on the galactofuranosidases recently characterized as an efficient recombinant biocatalyst.