

## Description

**LEctPROFILE\* gels** are affinity gel chromatography where lectins are immobilized on a Sepharose 4B fast flow matrix. Glycoconjugates can be recovered by competition with the specific inhibitory monosaccharide of the lectin. LEctPROFILE gels are used for the purification of glycoconjugates<sup>1,2</sup> with specific N-glycan residues. LectPROFILE gel are personalized reagents produced on your request (see the list of available natural and recombinant lectins, Tables 1 and 2) in 1, 2 or 5 mL. The binding capacity on LEctPROFILE gel of glycoprotein is over 1 mg per mL of gel.



Scheme 1. LEctPROFILE gel matrix.

## List of LEctPROFILE gels (natural lectins)

Reference	Lectin	Common Name
LG1222	ABA	<i>Agaricus Bisporus</i>
LG1221	AIA/Jacalin	<i>Artocarpus intergrifolia</i>
LG1367	AML	<i>Astragalus membranaceus</i>
LG1205	ASA	<i>Allium sativum agglutinin</i>
LG1889	BanLec	<i>Musa acuminata</i>
LG1209	BPA	<i>Bauhinia purpurea</i>
LG1254	CJA	<i>Crotalaria juncea</i>
LG1366	cMOL	<i>Moringa oleifera</i>
LG1201	ConA	<i>Canavalia ensiformis</i>
LG1249	CorM	<i>Coregonus lavaretus marenae</i>
LG1211	DBA	<i>Dolichos biflorus</i>
LG1206	GNA	<i>Galanthus nivalis</i>
LG1202	LcH	<i>Lens culinaris</i>
LG1252	NPA	<i>Narcissus pseudonarcissus Daffodil</i>
LG1236	MAA	<i>Maackia amurensis</i>
LG1242	MOA	<i>Marasmius oreades agglutinin</i>
LG1240	PHA-E	<i>Phaseolus vulgaris</i>
LG1239	PHA-L	<i>Phaseolus vulgaris</i>
LG1223	PNA	<i>Arachis hypogaea</i>
LG1203	PSA	<i>Pisum sativum</i>
LG1216	SBA	<i>Glycine max</i>
LG1237	SNA	<i>Sambucus nigra</i>
LG1261	TXLC-I	<i>Tulipa gesneriana agglutinin</i>
LG1234	UEA-I	<i>Ulex europaeus II</i>
LG1229	UEA-II	<i>Ulex europaeus II</i>
LG1253	VEA	<i>Vicia ervilia</i>
LG1204	VFA	<i>Vicia faba</i>
LG1230	WGA	<i>Triticum vulgare</i>

Table 1. Lists of natural lectins available for the LEctPROFILE gel.

## List of LEctPROFILE gels (recombinant lectins)

Reference	Lectin	Common Name
LG1255	BC2L-A	<i>Burkholderia cenocepacia lectin A</i>
LG1256	BC2L-C	<i>Burkholderia cenocepacia lectin C (N terminal domain)</i>
LG1688	FimH	<i>Escherichia Coli Adhesin FimH</i>
LG2094	HPyL	<i>Human Polyomavirus 9 VP1</i>
LG1257	PA-IL	<i>Pseudomonas aeruginosa lectin A</i>
LG1259	PA-IIL	<i>Pseudomonas aeruginosa lectin B (Lec B)</i>
LG2095	RPL- $\alpha$ Gal	<i>Recombinant Prokaryotic Lectin Fuc1</i>
LG1579	RPL-Gal1	<i>Recombinant Prokaryotic Lectin <math>\alpha</math>Gal</i>
LG1580	RPL-Gal2	<i>Recombinant Prokaryotic Lectin Gal1</i>
LG1581	RPL-Gal3	<i>Recombinant Prokaryotic Lectin Gal2</i>
LG1582	RPL-Gal4	<i>Recombinant Prokaryotic Lectin Gal3</i>
LG1583	RPL- $\alpha$ Man	<i>Recombinant Prokaryotic Lectin Gal4</i>
LG1584	RPL-Man2	<i>Recombinant Prokaryotic Lectin <math>\alpha</math>Mannose</i>
LG2096	RPL-Sia1	<i>Recombinant Prokaryotic Lectin Man2</i>
LG2097	RPL-Sia2	<i>Recombinant Prokaryotic Lectin Sia1</i>
LG2098	RPL-Sia3	<i>Recombinant Prokaryotic Lectin Sia2</i>
LG2099	RPL-Fuc1	<i>Recombinant Prokaryotic Lectin Sia3</i>
LG1258	RSL	<i>Ralstonia solanacearum</i>

Table 2. Lists of recombinants lectins available for the LEctPROFILE gel.

## References

- Misaki, A., Kakuta, M., Meah, Y., Goldstein, I. J. *J. Biol. Chem.* **1997**, 272, 25455-25461.
- Sueyoshi, S., Tsuji, T., Osawa, T., *Biol. Chem. Hoppe-Seyler*, **1985**, 366, 213-221.