

Phenyl polystyrene resin

Cat. No. Phenyl-001P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Creative Biomart provides series of hydrophobic reaction chromatography media for high efficient separation and purification of a wide range of biomolecules such as proteins, oligonucleotides, and nucleic acids. The hydrophobic reaction resins are composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads.
Cat.no	Phenyl-001P
Characteristics	The Phenyl polystyrene resin is composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads which contains phenyl functional group. See the characteristics below:spherical structure, optimized pore structure, high chemical and pH stability, high mechanical stability, large scale manufacturing capability, proprietary surface bonding.
Functional group	Phenyl group
Average particle size	30 µm
Dynamic binding capacity	20-45 mg/mL gel
Recommended flow rate	50-300 cm/h
Chemical stability	Good chemical stability allows the use of the prepacked columns with most commonly

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used buffers and organic solvents, like for example 0.5 M NaOH, 50% ethanol, 20% isopropanol, 6 M GuHCl and 8 M urea.

Physical stability	Negligible volume variation due to changes in pH or ionic strength
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pH working range	2-13
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pH CIP range	1-14
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