

Magrose Beads LCA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at 4°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description

TargetMol Magrose Beads LCA is an affinity separation product prepared by stably conjugating lentil agglutinin (Lens culinaris agglutinin, LCA), derived from the seeds of the common lentil (Lens culinaris), to the surface of an agarose magnetic carrier. LCA is a metal-binding lectin protein composed of two large subunits of approximately 17 kDa and two small subunits of approximately 8 kDa. with a total molecular weight of approximately 49 kDa. Under suitable ionic conditions, it can specifically recognize and bind glycosylated molecules containing α -D-mannose, α -D-glucose, and their spatially related glycan structures, making it highly valuable for the separation, purification, and functional studies of glycoproteins.

This product utilizes the reversible and highly specific affinity between lectins and sugar chains to enrich and purify glycoproteins, membrane glycoproteins, and other glycosylated molecules from serum, cell, or tissue lysates. It is also suitable for glycosylation analysis and related biological research. The magnetic beads feature rapid magnetic response, high binding capacity, good reproducibility, and ease of use. The separation process requires no centrifugation or column chromatography; instead, a magnetic stand is used to rapidly capture and separate target molecules, significantly simplifying experimental workflows while improving separation efficiency and purity. TargetMol Magrose Beads LCA offer excellent stability and biocompatibility, making them suitable for a wide range of research applications, including proteomics, cell biology, glycobiology, and drug mechanism studies. They provide an efficient and reliable magnetic affinity separation solution for glycoprotein enrichment and analysis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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