

Magrose Beads Strep-Tactin

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Store at 4°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description

The TargetMol's Magrose Beads Strep-Tactin utilizes a specialized protein-coupling process to covalently immobilize Strep-Tactin on the surface of superparamagnetic beads. This newly developed functional material is specifically designed for the efficient and rapid purification of Strep-tag II proteins, enabling the isolation of high-purity target proteins.

The Magrose Beads Strep-Tactin employs the Strep-Tactin/Strep-tag purification system, which mimics the streptavidin-biotin interaction but combines high specificity with gentle elution conditions. Compared to other affinity tags, Strep-tag II is a small peptide tag consisting of only 8 amino acids (Trp-Ser-His-Pro-Gln-Phe-Glu-Lys), minimizing potential interference with the structure or function of the target protein. As a result, removal of the tag is generally unnecessary. Strep-Tactin exhibits an affinity for Strep-tag II that is nearly 100 times higher than that of streptavidin. The purification process is conducted under mild, physiological conditions, helping preserve protein bioactivity and enabling the recovery of target proteins with purity levels exceeding

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