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Data Sheet

Im7 Resin (50% suspension)

SKU No.: 01-1701, 01-1702, 01-1705, 01-1715, 01-2701, 01-2705, 01-3701, 01-375

Description	Binds the CL7 tag (~16 kDA) fused to target proteins. Following cleavage with the appropriate protease, the target protein releases from the Im7-bound CL7.
Particle Size	Crosslinked agarose 6B beads (45 - 165 µM)
pH Stability	The Im7 protein is stable on the beads at pH 3-10 (normal working conditions). However, CL7/Im7 binding is stable at pH 4.2 - 10 only.
Salt stability	≤ 4 M NaCl tested
Binding Capacity	35-40 mg CL7/mL resin
Storage/Shipping Concentration	50/50 buffer/resin slurry. 1-, 2-, 5-, and 15-mL of settled resin in 2, 4, 10, and 30 mL of slurry, respectively.
Recommended Operating Temperature	4° C or room temperature
Reactivation Details	To remove the CL7 protein and reactivate the resin, wash the column with guanidine hydrochloride, exchanging it into physiological buffer.

Additional Information: Target protein characteristics (e.g. protein size, conformation, and concentration); flow rate (i.e. lower flow rates may increase the binding capacity); and other parameters (e.g. pH and temperature) can affect the column binding capacity.

You can download the full protocol from https://trialtusbioscience.com/products/#protocols.

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