

Data Sheet

Im7 6B Resin

SKU No.: 10-1060, 10-1062, 10-1065, 10-1071, 10-2060, 10-2065, 10-3060, 10-3065

Description	Im7 ligand (10 kDa) on agarose beads 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 μ M)
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	\leq 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.
Shipping Conditions	Room temperature / Buffer: 20 mM Tris-Cl pH 8.0, 0.5M NaCl, 5% glycerol, 0.05% sodium azide
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. Alternatively, wash with Gentle Elution Buffer (3.6 M MgCl ₂) to avoid refolding.

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 binding capacity.

You can download full protocols from
<https://trialtusbioscience.com/pages/protein-purification-protocols>.

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