

Data Sheet

PreScission Protease

SKU No.: 03-2001, 03-2005

Description	The PreScission protease (PSC) recognizes and cleaves the sequence LEVLFQ/GP to release the target protein from the Im7-bound CL7 tag.
Purity	>99% (SDS gel analysis)
Enzyme Source	Human Rhinovirus (HRV) 3C Protease over expressed in <i>E. Coli</i> with a glutathione S-transferase (GST) tag.
Cleavage Site	PSC recognizes the sequence LEVLFQGP and cleaves between the glutamine (Q) and glycine (G)
Cleavage Efficiency	20 ug protease will digest 2 mg protein with 99% efficiency at 4°C in 60 minutes.
Storage/Shipping Concentration	~5 mg/mL
Shipping Conditions	We ship PreScission Protease on wet ice in buffer (20 mM Tris (pH 8.0), 0.1 M NaCl, 1 mM EDTA, 50% glycerol, 1 mM βMe).
Recommended Storage Conditions	-80°C long term or -20°C for 2-3 months in shipping buffer

Additional processing information: After a CL7-tagged protein binds the activated Im7 resin, PSC is applied to the column to release the protein from the CL7 tag. The final protease concentration in the eluted sample comprises ~ 1.5-3% of total impurities. If needed, PSC can be purified from the sample with a GST-trap column or size exclusion chromatography.

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

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Licensing Information

TriAltus Bioscience holds the exclusive, worldwide license to the CL7 protein purification technology platform. It was licensed from the University of Alabama at Birmingham (UAB) in Birmingham, Alabama, USA. An international patent filing has been made with protection being sought in the United States, Europe, and other major markets. The CL7 purification technology is available for research use. For commercial use or resale, contact us at sales@trialtusbioscience.com to discuss commercial licensing.

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