

Data Sheet

Product Characteristic	Specification
Protein Name	Numacut™ TEV protease
Molecular Weight	28.2 kDa
Format	Lyophilized powder, pre-formulated for solution in the provided reconstitution buffer. No preservatives, carrier-free protein.
Formulation buffer	20 mM Tris/HCl 100 mM NaCl 5 mM DTT 1 mM EDTA pH 7.5
Reconstitution	Briefly centrifuge the vial before opening, to bring the contents to the bottom. Reconstitute the lyophilized powder in the provided reconstitution buffer. Mix by pipetting up and down, but do not vortex. Upon reconstitution a biological activity of $\geq 10,000$ U/mL will be obtained.
Amount	>1,000 Units, >2,000 Units, >3,000 Units, >10,000 Units, respectively
Concentration after reconstitution	$\geq 10,000$ U/mL after reconstitution
Unit definition	One Unit of Numacut™ TEV protease cleaves 80% of 3 μ g control substrate containing a S amino acid residue at P1' position in 1 h at 30°C and pH 7.5*. *Similar cleavage efficiencies observed for all amino acid residues at P1' position except for P.
Purity (on SDS-PAGE)	> 90 %
Storage	Upon receipt, store the Numacut™ TEV protease at -20°C. The product is stable for at least six months. For application, reconstitute Numacut™ TEV protease by dissolving it with the provided reconstitution buffer. Reconstituted Numacut™ TEV protease should be stored at -20°C. Avoid thawing/freezing cycles.
Host strain	<i>Escherichia coli</i>
Storage Temperature	- 20 °C
Shipping	Room temperature
Reaction Condition	Described in handling instructions
Application	Research use only. Not for human use, diagnostic etc.