

Data Sheet

| Product Characteristic | Specification |
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| Protein Name | Numacut™ TEV (Tobacco Etch Virus) protease |
| Molecular Weight | 28.2 kDa |
| Format | Lyophilized powder, pre-formulated for reconstitution in water. 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 $\geq 20,000$ U/mL will be obtained. |
| Amount | >1,000 Units, >2,000 Units, >3,000 Units, >10,000 Units, respectively |
| Concentration after reconstitution | $\geq 20,000$ U/mL after reconstitution |
| Unit definition | One Unit of Numacut™ TEV protease will cleave 80% of 3 μ g control test substrate* in 1 h at 30 °C and pH 7.5. |
| Specificity | Side activity: > 99 % of test substrate remain intact |
| Purity (on SDS-PAGE) | > 95 % |
| Storage | Upon receipt, store the Numacut™ TEV protease at -20°C or reconstitute it by dissolving it with the provided reconstitution buffer. Upon reconstitution, the product is stable for up to six months at -20°C. |
| 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. |