

<b>Product Name</b>	Recombinant TEV Protease	<p>SDS-PAGE gel</p> <p>kDa 1 2</p> <p>235</p> <p>170</p> <p>130</p> <p>93</p> <p>70</p> <p>53</p> <p>41</p> <p>30</p> <p>22</p> <p>18</p> <p>1 – MW Marker 2 – TEV</p>
<b>Synonym(s)</b>	Tobacco Etch Virus, rTEV, TEV, P1 protease	
<b>Quantity</b>	50 µg, 200 µg, 1 mg	
<b>Lot Number</b>	B10514	
<b>Molecular weight</b>	52 kDa	
<b>Purity</b>	>90% by SDS-PAGE	
<b>Tag</b>	N-terminal GST tag	
<b>Expression Source</b>	E. coli	
<b>GenBank Accession #</b>	NC_001555.1	
<b>Application</b>	recombinant protein tag removal, recombinant protein characterization, ELISA, Western blot, crystallization studies.	
<b>Formulation</b>	25 mM Tris-HCl, pH 8, 150 mM NaCl, 40% glycerol, 0.02% sodium azide	
<b>Storage and Stability</b>	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	
<b>Description</b>	Tobacco Etch Virus nuclear-inclusion-a endopeptidase or TEV is highly sequence specific cysteine protease. It has a strict 7 amino acid cleavage recognition sequence of Glu-Asn-Leu-Tyr-Phe-Gln ↓ (Gly/Ser). The high specificity makes this protease excellent for the removal of affinity-tags from purified recombinant proteins. Purified TEV was expressed in E. coli and is shipped in 4°C packaging to preserve activity. TEV cleavage is best performed at room temperature in a pH range of 4 – 9.	
<b>Unit Definition</b>	One unit of TEV protease cleaves >85% of 3 µg of control substrate in one hour at pH 8.0 at 30 °C.	
<b>Activity</b>	≥3,000 units/mg protein	
<b>Reference</b>	Phan J et al., The Journal of Biological Chemistry 277, 20564-50572 (2002) Dougherty W et al., Virology, 172, 302-310 (1989).	

### Related products:

Kras G12C, GST-tag	5727-4122G	50 µg, 100 µg
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 µg, 100 µg

Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 µg, 100 µg
Kras G12C Nucleotide Exchange Assay Kit	5727-4122NK	384 reactions
Kras G12C – cRAF Binding Assay Kit	5727-4122BK	384 reactions
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Human SOS1, No Tag	7671	50 µg, 100 µg
Human SOS1, His-Avi-Tag	7671HA	50 µg, 100 µg
Recombinant SARS-CoV-2 Mpro, 3CL protease	728201	50 ug, 500 ug
SARS-CoV-2 Mpro (3CL Protease) Assay Kit	728203	96 reactions
Recombinant SARS-CoV-2 Papain-like Protease (PLpro, NSP3), CF	728251	50 ug, 100 ug, 1mg
Papain-like (PLpro) Protease Assay Kit	728253	96 reactions
TEV-His	190001-R	1,000 Units, 10,000 Units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
PreScission Protease (HRV 3C)	190002-R	1,000 units, 10,000 units
Recombinant YopH	200100	10 ug, 20 ug, 100 ug, 1 mg
Recombinant Mouse Leukemia Inhibitory Factor (mLIF)	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human LIF, Animal-Free	12-0002AFR	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
Recombinant Human BCL2	225201	100 ug
GST-CDK2: his-CyclinE1	C352E1	10 ug, 100 ug
GST-CDK2: His-CyclinA2	C352A2	10 ug, 100 ug

Products are for research use only and are not intended for human use. We do not sell to patients.