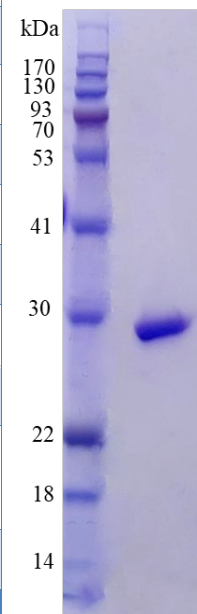


Product Name	Recombinant TEV Protease, Lyophilized	 SDS-PAGE gel kDa 170 130 93 70 53 41 30 22 18 14 1 2 1 – MW Marker 2 – TEV
Synonym(s)	Tobacco Etch Virus, rTEV, TEV, P1 protease	
Quantity	100 µg, 200 µg, 1 mg	
Molecular weight	27 kDa	
Purity	>90% by SDS-PAGE	
Tag	N-terminal His tag	
Expression Source	E. coli	
GenBank Accession #	NC_001555.1	
Application	Recombinant protein tag removal, recombinant protein characterization, ELISA, Western blot, crystallization studies.	
Formulation	Lyophilized from 25 mM Tris, pH 7.5, 150 mM NaCl.	
Storage and Stability	Stable for 18 months at -20 °C or colder.	
Activity	≥3,000 units/mg protein	
Unit Definition	One unit of TEV protease cleaves >85% of 3 µg of control substrate in one hour at pH 8.0 at 30 °C.	
Reconstitution	Centrifuge briefly and then reconstitute 100 ug TEV in 100 µL of 10 mM Tris, pH 7.5, to yield a stock solution of 1.0 mg/mL Avoid freeze-thaw cycles as it can result in loss of activity.	
Description	Recombinant TEV Protease (E. coli) is a highly sequence-specific cysteine protease ideal for the efficient removal of affinity tags from purified recombinant proteins. Expressed in E. coli and purified for optimal activity, this TEV protease recognizes the strict 7-amino acid sequence Glu-Asn-Leu-Tyr-Phe-Gln ↓ (Gly/Ser), cleaving precisely after the Gln residue. Efficient cleavage is observed at room temperature (approx. 20-25°C) under varying buffer compositions (pH range of 4.0–9.0), while maximal activity was observed at pH 8.0 at 30°C. This product is shipped under conditions to maintain enzymatic activity upon arrival.	
Reference	Phan J et al., The Journal of Biological Chemistry 277, 20564-50572 (2002) Dougherty W et al., Virology, 172, 302-310 (1989).	

Related products:

TEV Protease	190001	1,000 Units, 10,000 Units
TEV Protease-His tag	190001-R	50 µg, 200 µg, 1 mg
TEV Protease-GST tag	190004-R	50 µg, 200 µg, 1 mg
TEV Protease-AB	190005-R	50 µg, 200 µg, 1 mg

PreScission Protease (HRV 3C)	190002	1,000 units, 10,000 units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
Recombinant YopH	200100	10 ug, 20 ug, 100 ug, 1 mg
Recombinant Biotin Protein Ligase (BirA)	90101	100 ug
Recombinant SortaseA-5M	90201	50 ug
Recombinant Mouse Leukemia Inhibitory Factor	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
DNA Polymerase Theta-N-Helicase Domain	7657643	20 ug, 100 ug
DNA Polymerase Theta-C terminal Domain	7657283	20 ug, 100 ug, 1 mg
DNA Polymerase Theta Full Length protein	7657385	10 ug, 50 ug
Kras Wild Type (WT), GST-tag	5727-4121G	50 µg, 100 µg
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 µg, 100 µg
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 µg, 100 µg
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 G12D, GST-tag	5727-4123G	50 µg, 100 µg
Kras G12D, GST-tag, GDP Loaded	5727-4123G -G	50 µg, 100 µg
Kras G12D, GST-tag, GppNHp loaded	5727-4123G -GP	50 µg, 100 µg
Kras G12V, GST-tag,	5727-4128G	50 µg, 100 µg
Kras G12V, GST-tag, GDP Loaded	5727-4128G -G	50 µg, 100 µg
Kras G12V, GST-tag, GppNHp loaded	5727-4128G -GP	50 µg, 100 µg
Human SOS1, No Tag	7671	50 µg, 100 µg
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Recombinant SARS-CoV-2 Mpro, 3CL protease	728201	50 ug, 500 ug
Recombinant SARS-CoV-2 Papain-like Protease, CF	728251	50 ug, 100 ug
Recombinant SARS-CoV-2 Helicase (NSP13)	728231	10 ug, 50 ug, 100 ug
Recombinant SARS-CoV-2 NSP7	728264	100 ug, 1mg
Recombinant SARS-CoV-2 NSP8	728265	100 ug, 1mg
Recombinant Human BCL2	225201	100 ug
GST-CDK2: His-CyclinE1	C352E1	10 ug, 100 ug
GST-CDK2: His-CyclinA2	C352A2	10 ug, 100 ug
Recombinant Human Malic enzyme 1 (ME1)	180001	10 ug, 25 ug, 100 ug, 1 mg
Recombinant Human Malic enzyme 2 (ME2)	180002	10 ug, 25 ug, 100 ug, 1 mg
Recombinant Human Malic enzyme 3 (ME3)	180003	10 ug, 25 ug, 100 ug, 1 mg

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