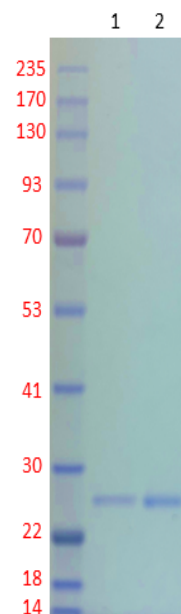


Product Name	Recombinant TEV Protease-AB	SDS-PAGE gel 12 
Synonym(s)	Tobacco Etch Virus, rTEV, TEV, P1 protease	
Quantity	10 µg, 200 µg, 1 mg	
Amino Acids	249 a. a.: T17S/L56V/N68D/I77V/S135G/S219V	
Molecular weight	28 kDa	
Purity	>90% by SDS-PAGE	
Tag	N-terminal His tag, C-terminal His tag	
Expression Source	E. coli	
GenBank Accession #	APA32020.1	
Application	recombinant protein tag removal, recombinant protein characterization, ELISA, Western blot, crystallization studies.	
Formulation	25 mM tris, pH7.5, 150 mM NaCl, 40% Glycerol	
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	
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. TEV-AB Protease is an improved version of Tobacco Etch Virus (TEV) protease that is highly site-specific, highly active, and significantly more stable than native TEV protease, resulting in enhanced long-term activity.	
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.	
Activity	≥4,000 units/mg protein	
Reference	Wei, L et al., Protein Expression and Purification 83, 157-163 (2012) 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-His	190001	1,000 Units, 10,000 Units
PreScission Protease (HRV 3C)	190002	1,000 units, 10,000 units

Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
TEV Protease-GST	190004	5 ug, 200 ug, 1 mg
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 ug, 100 ug
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 ug, 100 ug
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 ug, 100 ug
Kras G12C, GST-tag	5727-4122G	50 ug, 100 ug
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 ug, 100 ug
Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 ug, 100 ug
Kras G12D, GST-tag	5727-4123G	50 ug, 100 ug
Kras G12D, GST-tag, GDP Loaded	5727-4123G -G	50 ug, 100 ug
Kras G12D, GST-tag, GppNHp loaded	5727-4123G -GP	50 ug, 100 ug
Kras G12V, GST-tag,	5727-4128G	50 ug, 100 ug
Kras G12V, GST-tag, GDP Loaded	5727-4128G -G	50 ug, 100 ug
Kras G12V, GST-tag, GppNHp loaded	5727-4128G -GP	50 ug, 100 ug
Human SOS1, No Tag	7671	50 ug, 100 ug
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 ug, 100 ug
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.