

<b>Product Name</b>	Recombinant PreScission Protease (HRV-3C protease)	
<b>Synonym(s)</b>	3C protease, Picornain 3C, PSP, HRV 3C protease	
<b>Quantity</b>	1,000 Units, 5,000 Units	
<b>Lot Number</b>	B00527	
<b>Molecular weight</b>	46 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>	NP_740524.1	
<b>Application</b>	recombinant protein tag removal, on-site cleavage, recombinant protein characterization, ELISA, Western blot, crystallization studies.	
<b>Formulation</b>	25 mM tris, pH7.5, 150 mM NaCl, 20% Glycerol	
<b>Storage and Stability</b>	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	1 – MW Marker 2 – PSP
<b>Description</b>	PreScission Protease is a fusion protein of glutathione S-transferase (GST) and human rhinovirus (HRV) type 14 3C protease. The protease specifically recognizes a subset of sequences which include the core amino acid sequence Leu-Phe-Gln/Gly-Pro cleaving between the Gln and Gly residues. Substrate recognition and cleavage are likely to be dependent not only upon primary structural signals, but also upon the secondary and tertiary structures of the fusion protein as well.	
<b>Unit Definition</b>	One unit of PreScission protease cleaves >90% of 100 µg of control substrate In 16 hours at 4 °C.	
<b>Activity</b>	≥2,000 units/mg protein	
<b>Reference</b>	Ullah R et al., PLOS ONE 11(4): e0153436 (2016) Cordingley MG et al., J Biol Chem, 265(16):9062-5 (1990).	

## Related products:

<b>Product Name</b>	<b>Catalog #</b>	<b>Size</b>
Kras G12C, His-tag	5727-4122H	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 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
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
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.