Active Recombinant HRV 3C protease, N-His-tagged

Cat. No. 3C protease-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HRV 3C protease with His-tag was expressed in E. coli.
Species	HRV
Source	E.coli
Description	Human rhinovirus 3C protease (HRV3C Protease) is a cysteine protease that recognizes the cleavage site of Leu-Glu-Val-Leu-Phe-Gln-Gly-Pro. It cleaves between Gln and Gly (independent of Pro). (HRV) 3C Protease is used to remove fusion tags from proteins with the HRV 3C cleavage sequence and is typically dual tagged for easy removal from the sample after cleavage.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	0.6 IU/μl. Unit Definition: One unit is defined as the amount of enzyme needed to cleave 100 μg of fusion protein in 16 hours to 90% completion at 4 centigrade in a buffer containing 50 mM Tris-HCl, pH 7.0, 150 mM NaCl, 1 mM EDTA, and 1 mM DTT.
Molecular Mass	24kDa, observed by reducing SDS-PAGE.
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% by SDS-PAGE analysis.

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Storage	Recombinant PreScission Protease (rPSP) remains stable up to 1 year at -20 centigrade from date of receipt. Please avoid freeze-thaw cycles.
Storage Buffer	Sterile liquid solution contains 50 mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 50% Glycerol, pH 7.5.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.

GENE INFORMATION

Official Symbol	3C protease
Synonyms	3C protease; Human rhinovirus 3C protease; HRV3C Protease

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