HRV3c protease

Product Name	HRV3c protease
Catalog No	IT-000-HRV3c
Source	Recombinant protein from E.coli.
Formulation	50 mM Tris-HCl (pH 8.0), 150 mM NaCl, 1 mM EDTA, 1 mM DTT, 0.04% Tween20 and 50% glycerol.
Protein	N-terminal 6xHis tagged HRV 3C Protease (Human Rhinovirus 3C Protease, PreScission Site)(GenBank# P03303).
Applications	The enzyme recognizes the cleavage site: Leu-Glu-Val-Leu-Phe-Gln- ↓ -Gly-Pro (LEVLFQ ↓ GP). The enzyme exhibits highest activity around neutral pH at temperature ranging from 22 to 37℃.
Activity	≥ 1 U/ l µl; No detectable RNAase, DNAase or other protease activity.
Definition of Activity Unit	One unit of HRV3c Protease is defined as the amount of enzyme needed to cleave >95% of 100µg of substrate protein at 4°C in 16 hours.
Storage	Kept at -20°C. Non-hazardous. No MSDS required.
Use Limitation	For research use only, not for use in diagnostic procedures.
Note	10X HRV3c Protease cleavage buffer: 1.5 M NaCl, 0.5 M Tris-HCl, pH 7.5.
Reference	Cordingley, M. G., Register, R. B., Callahan, P. L., Garsky, V.M., and Colonno, R. J. (1989). Cleavage of Small Peptides In Vitro by Human Rhinovirus 14 3C Protease Expressed in Escherichia coli. J. Virol. 63, 5037-5045.