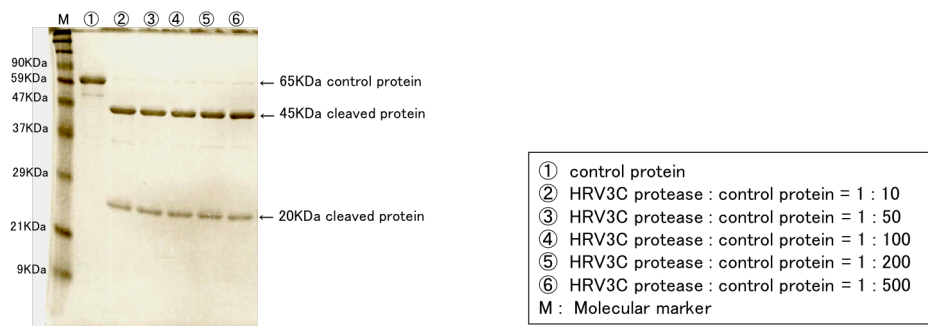


## Recombinant HRV 3C protease form *E.coli*

<b>Protein Name:</b>	HRV 3C protease (6xHis-Tag fusion protein)
<b>Type:</b>	Recombinant
<b>Source:</b>	rhinovirus type 14
<b>Expression Host:</b>	<i>E.coli</i>
<b>Formulation:</b>	20mM Tris-HCl, 100mM NaCl, 5mM 3-Mercapto-1 2-propanediol, 50% glycerol
<b>Concentration:</b>	1unit/mL
<b>Activity:</b>	HRV 3C protease recognize the cleave site : LEVLFQ/GP. 1unit of HRV 3C protease cleave >95% of 100ug 65KDa protein that has one cleave site in 20mM Tris-HCl (pH8.0) at 4°C for 16h.
<b>Storage and Stability:</b>	Store under best condition at -20°C. Samples are stable for six months from above condition. Do not repeat freeze-thaw cycle.
<b>Molecular Mass:</b>	21.2kDa (total 194AA, include histidine hexamer. )
<b>Usage protocol:</b>	Add HRV3C of 1unit to the solution containing the target protein 100ug, and it incubates 16h at 4 °C. (recommendation reaction buffer : 20 mM Tris-HCl, 150mM NaCl, 10mM 3-Mercapto-1 2-propanediol, pH 8.0). When cutting efficiency is low, please increase the amount of addition of HRV3C, develop reaction time, and examine the optimal conditions. After cleaved, nickel chelate resin using 6xHisTag removes HRV3C.

### Activity Check :



Several amount of HRV3C protease cleaved 65KDa control protein in 45KDa and 20KDa protein in 20mM Tris-HCl (pH8.0) at 4 °C for 16 hours. As a result, also in which HRV3C protease concentration, it was >95% of cleavage efficiency.