HRV 3C Protease Activity Assay Kit (Colorimetric)

Cat. No. Kit-1077 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	Human rhinovirus (HRV) infections are the most frequent causative agents of common cold and various other upper respiratory tract infections. Rhinoviruses are members of the picornavirus family, which have a positive-sense, single-stranded RNA genome that is translated into a single polyprotein precursor. In the case of HRVs, the viral polyprotein is mainly processed by the proteases (2A and 3C) to generate functional proteins and enzymes. HRV 3C Protease Activity assay kit utilizes the ability of a 3C Protease (derived from a HRV rhinovirus-14, EC: 3.4.22.28) to cleave a chromogenic peptide substrate to release a chromophore (pNA) which can be easily quantified using a microplate reader. This assay kit is simple, rapid and can detect HRV 3C Protease activity as low as 50 ng in samples and of purified proteins.
Applications	Detection of HRV 3C Protease activity in samples Determine activity of purified HRV 3C Protease
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	HRV 3C Protease Assay Buffer; HRV 3C Protease (10 µg, Positive Control); HRV 3C Protease Substrate; pNA Standard (0.1 M)

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Detection method	Absorbance (OD= 405 nm).
Features & Benefits	Simple, rapid assay. Can detect HRV 3C Protease activity as low as 50 ng in samples

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