

SARS-CoV (strain WH20) Plpro / papain-like protease (His Tag)

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| Catalog_no : | AD-PD400038 |
| Category : | 冠状病毒产品 |
| Size : | 100µg |
| Specificity : | SARS |
| Source : | E.coli |
| Storage_stability : | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Molecular Weight : | The recombinant SARS-CoV (strain WH20) papain-like protease (PLpro) consists of 325 amino acids and predicts a molecular mass of 36.65 kDa. |
| Background : | The coronaviral proteases, papain-like protease (PLpro) and 3C-like protease (3CLpro), are attractive antiviral drug targets because they are essential for coronaviral replication. PLpro has the additional function of stripping ubiquitin and ISG15 from host-cell proteins to aid coronaviruses in their evasion of the host innate immune responses. Targeting PLpro with antiviral drugs may have an advantage in not only inhibiting viral replication but also inhibiting the dysregulation of signaling cascades in infected cells that may lead to cell death in surrounding, uninfected cells. |
| 缓冲液 : | Lyophilized from sterile 50 mM Tris, 0.1 % Tween, pH 9.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specif |
| 运输及保存条件 : | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise |
| purity : | > 90 % as determined by SDS-PAGE. |
| reference : | Yahira M. Báez-Santos.The SARS-coronavirus papain-like protease: Structure, function and inhibition by designed antiviral compounds. Antiviral Research.2015 |
| 内毒素 : | Please contact us for more information. |
| 生物活性 : | Testing in progress |