Active Recombinant Paguma larvata ACE2 protein, hFc-tagged

Cat. No. ACE2-019P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Paguma larvata ACE2 protein(Q56NL1)(18-740aa), fused with C-terminal hFc tag, was expressed in Mammalian cell.
Species	Paguma larvata
Source	Mammalian Cells
ProteinLength	18-740aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV S-RBD at 2 μg/ml can bind Paguma larvata ACE2, the EC50 is 5.056-7.559 ng/ml. Recombin ant Paguma larvata ACE2 protein enzyme activity is measured by its ability to cleave fluorogenic peptide substrate(Mca-Ala-Pro-Lys(Dnp)-OH), The Km is 22.84 μM.
Molecular Mass	112.7 kDa
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 94.8% as determined by SDS-PAGE.
Storage	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated

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	freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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