

Active Recombinant Paguma larvata ACE2 protein, His-tagged

Cat. No. ACE2-2882P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Paguma larvata ACE2 protein(Gln 18-Thr 740), fused with His tag, was expressed in HEK293.
Species	Paguma larvata
Source	HEK293
ProteinLength	Gln 18-Thr 740
Form	Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with glycerol as protectant.
Bio-activity	Immobilized Paguma larvata ACE2, His Tag at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 S1 protein, Fc Tag with a linear range of 0.156-5 µg/mL. Immobilized Paguma larvata ACE2, His Tag at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 S protein RBD, Fc Tag with a linear range of 0.078-5 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 85.7 kDa. The protein migrates as 90-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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