

PRODUCT INFORMATION

ACE2 **Target**

Synonyms ACE-2;ACEH;ACE2

Recombinant human ACE2 protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q9BYF1 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Purity

Background

ACE2(Gln18-Ser740) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 109.7 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene belongs to the

angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it

may play a role in the regulation of

cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63.

Usage Research use only

Conjugate Unconjugated







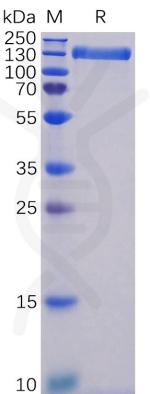


Figure 1. Human ACE2 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human ACE2, hFc Tagged protein ELISA

0.2 µg of S-RBD, mFc-His Tagged protein per well

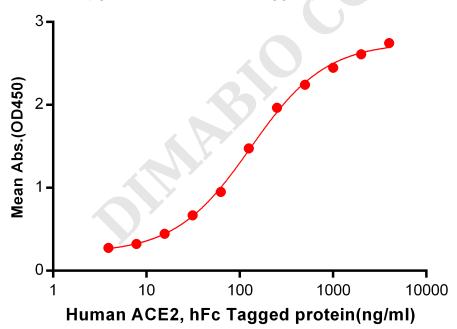


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) S-RBD, mFc-His tagged protein [getskuurl sku=(PME100460)] can bind Human ACE2, hFc Tagged protein (PME100073) in a linear range of 0.488-49.83 ng/ml.

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