PRODUCT INFORMATION

Target	ACE2
Synonyms	ACE-2;ACEH;ACE2
Description	Recombinant human ACE2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9BYF1
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	ACE2(Gln18-Ser740) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 109.7 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Background	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

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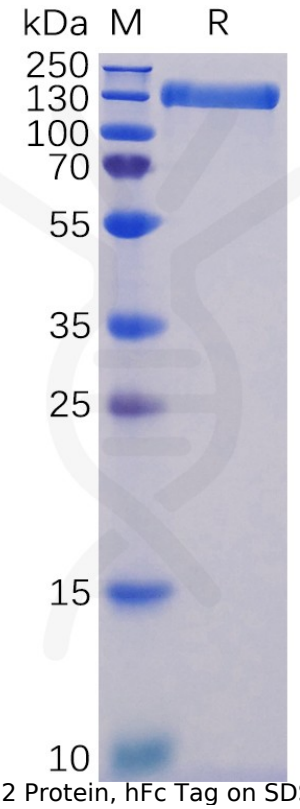


Figure 1. Human ACE2 Protein, hFc Tag on SDS-PAGE under reducing condition.

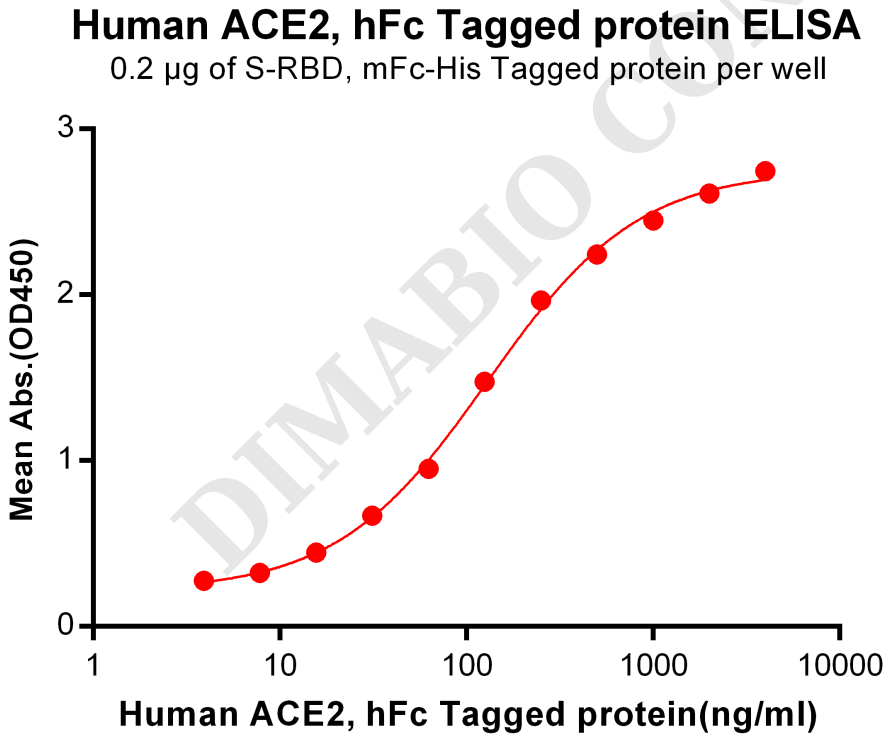


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) S-RBD, mFc-His tagged protein [getskuurl sku=(PME100460)] can bind Human ACE2, hFc Tagged protein (PME100073) in a linear range of 0.488-49.83 ng/ml.

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