

32-17130: Recombinant Human ACE2 Protein with N-terminal 6~His tag

Alternative Name : ACE-2,ACEH,ACE2

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 84.4 kDa after removal of the signal peptide. The apparent molecular mass of His-ACE2 is approximately 10-130 kDa due to glycosylation.

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.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

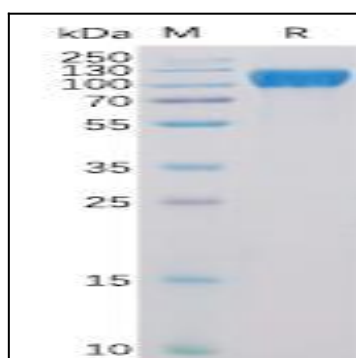


Figure 1. Human ACE2 Protein, His Tag on SDS-PAGE under reducing condition.

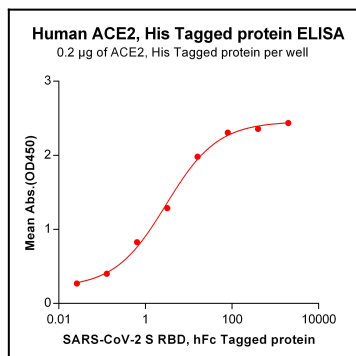


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human ACE2, His Tagged protein can bind S-RBD, hFc tagged protein in a linear range of 0.128-80.0 ng/ml.