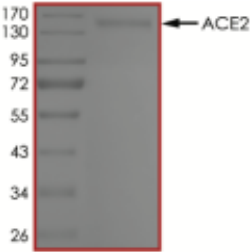
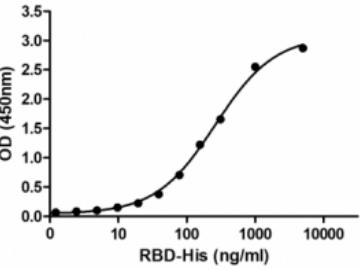




PRODUCT DATASHEET

Catalog No:	BSV-COV-PR-18	BSV-COV-PR-19	BSV-COV-PR-20	BSV-COV-PR-21
Pack Size	10 µg	20 µg	50µg	100µg
Product Name:	Recombinant Human Angiotensin-Converting Enzyme 2 (ACE2)			
Description:	Recombinant human angiotensin-converting enzyme 2 (ACE2) extracellular domain (19-740) was expressed in CHO cells using a C-terminal Fc tag.			
Species:	2019-nCoV, SARS-CoV-2			
Concentration:	0.2µg/µl			
Sequence:	Recombinant human angiotensin-converting enzyme 2 (ACE2) extracellular domain (19-740) was expressed in CHO cells using a C-terminal Fc tag.			
Accession No.:	AF291820			
Tag:	C-terminal Fc-Tag			
Host:	Expressed in CHO Cells			
Activity:	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 (19-740) protein (Fc tag) at 2µg/ml (100µg/well) can bind to 2019-nCoV Spike Protein RBD (His Tag).			
Purity:	>95% as determined by densitometry			

<p>Predicted Molecular Mass:</p>	 <p>The recombinant NCP-CoV (2019-nCoV) Human ACE2 protein, predicts a molecular mass of approximately 150 kDa.</p>
<p>Applications:</p>	 <p>Measured by its binding ability in a functional ELISA. Immobilized human ACE2 (19-740) protein (Fc-tag) at 2µg/ml (100µl/well) can bind to 2019-nCoV Spike Protein RBD (His tag).</p>
<p>Formulation:</p>	<p>Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 90mM glycine.</p>
<p>Endotoxin:</p>	<p>Endotoxin level is < 1.0 EU/µg purified protein (LAL test)</p>
<p>Shipping, Storage and Stability:</p>	<p>Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favourable performance, avoid repeated handling and multiple freeze/thaw cycles.</p>

Background:	<p>The Angiotensin-Converting Enzyme 2 (ACE2) belongs to the Angiotensin-Converting Enzyme (ACE) family of Dipeptidyl Carboxydipeptidases. ACE2 cleaves the Angiotensin I and Angiotensin II to counterbalancing ACE activity in the regulation of renin angiotensin system (RAS). ACE2 also plays a pivotal role in the regulation of cardiovascular, renal and reproductive systems. Besides, it is a functional receptor for the Spike glycoprotein (S) of SARS-CoV, HCoV-NL63, and SARS-CoV-2, which causes the pandemic of the respiratory diseases (COVID-19).</p> <p>ACE2 extracellular domain (18-615) binds to the SARS Coronavirus 2 (Cov-2) receptor binding domain (RBD). It is expressed in CHO cells and purified to greater than 95% purity. As a result, it is a very useful tool in search of COVID19 conditions.</p>
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FOR RESEARCH LABORATORY TEST USE ONLY!