

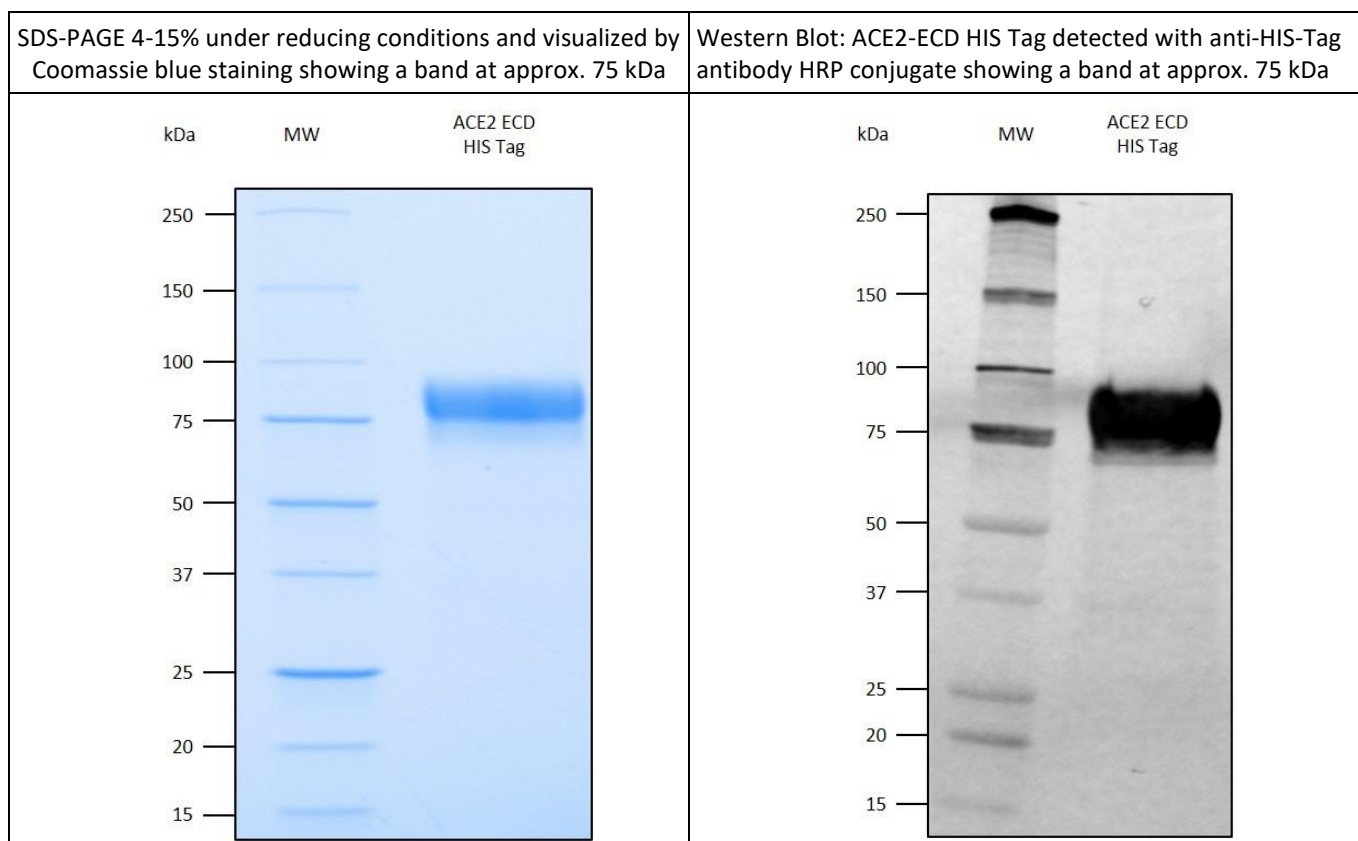
DESCRIPTION

<i>Description</i>	Recombinant Human Angiotensin-converting enzyme 2 (ACE2) - Extracellular Domain NCBI Accession Number: NM_021804.3
<i>Sequence</i>	Ser19-Asp615 with an immunoglobulin heavy chain variable signal peptide
<i>Expression system</i>	HEK293 cells
<i>Tag</i>	HIS Tag C-Terminus
<i>Purification</i>	Affinity chromatography
<i>Extinction coefficient</i>	152220 M ⁻¹ .cm ⁻¹ Abs 0.1% (=1 g/l) 2.171 assuming all pairs of Cys residues form cystines
<i>Predicted Molecular Weight</i>	70.1 kDa

SPECIFICATIONS

<i>SDS Page</i>	Approx. 75 kDa
<i>Concentration</i>	0.35 mg/ml
<i>Size</i>	100 µg
<i>Purity</i>	>95% by SDS PAGE
<i>Formulation</i>	PBS
<i>Endotoxins</i>	Negative on cell-based assay
<i>Activity</i>	Recognized by Recombinant Receptor Binding Domain of Spike protein in binding assay
<i>Stability and Storage</i>	Store at -20°C. Avoid repeated freeze-thaw cycles

DATA



Angiotensin-converting enzyme 2 (ACE2)

Angiotensin-converting enzyme 2, or ACE2, is a protein bound to the plasma membrane of lungs, arteries, heart, kidney, and intestines cells. ACE2 plays an important role in the renin-angiotensin-aldosterone system (RAAS), and a major physiological role in the regulation of the heart, kidney and blood pressure.

ACE2 is also the cellular receptor for Severe Acute Respiratory Syndrome – coronavirus (SARS-CoV) and the new coronavirus (SARS-CoV-2) that is causing the coronavirus disease 2019 (COVID-19) pandemic.

RELATED PRODUCTS

Code	Products	Quantity
705-H16-0BU	Recombinant Human SARS-CoV-2 Spike Glycoprotein S1 RBD (CHO)	100 µg
715-H16-0BU	Recombinant Human SARS-CoV-2 Spike Glycoprotein S1 RBD (HEK)	100 µg
715-H17-0BU	Recombinant Human SARS-CoV-2 Nucleoprotein (HEK)	100 µg
725-H17-0BU	Recombinant Human SARS-CoV-2 Nucleoprotein (E. Coli)	100 µg
857.140.000	Anti-SARS-CoV-2 Spike S1 Protein Azide Free - CR3022	200 µg/200 µl
857.140.005	Anti-SARS-CoV-2 Spike S1 Protein Azide Free - CR3022	500 µg/500 µl
857.160.000	Anti-SARS-CoV-2 Spike S1 Protein Azide Free (IgA) - CR3022-IgA	200 µg/200 µl
857.160.005	Anti-SARS-CoV-2 Spike S1 Protein Azide Free (IgA) - CR3022-IgA	500 µg/500 µl
857.150.000	Anti-SARS-CoV-2 Nucleoprotein Azide Free - CR3018	200 µg/200 µl
857.150.005	Anti-SARS-CoV-2 Nucleoprotein Azide Free - CR3018	500 µg/500 µl

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