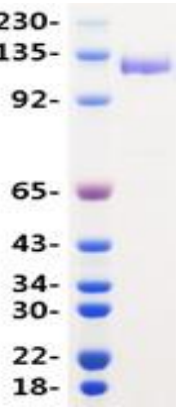




## PRODUCT DATASHEET

<b>Catalog No:</b>	LTP-V003
<b>Pack Size</b>	50 µg
<b>Product Name:</b>	Recombinant Human ACE2 Protein
<b>Description:</b>	Recombinant protein of the extracellular domain (Gln18-Ser740) of Homo sapiens angiotensin converting enzyme 2 (ACE2), transcript variant 2, with a human IgG1 Fc tag.
<b>Species:</b>	2019-nCoV, SARS-CoV-2
<b>Sequence:</b>	The amino acid sequence of the recombinant protein was derived from Glu99-Lys330 region of human IgG1 constant region (Accession Number. YP_009724390.1 ).
<b>Accession No.:</b>	YP_009724390.1
<b>Tag:</b>	C-terminal His-Tag
<b>Host:</b>	Expressed and purified from in vitro cell culture of HEK293 cells.
<b>Applications:</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie Blue staining.

<p><b>Predicted Molecular Mass:</b></p>	 <p>Recombinant Human ACE2 Protein, human IgG1 Fc tag predicts a molecular mass of 110 kDa.</p>
<p><b>Formulation:</b></p>	<p>Protein formulated as 0.4 mg/mL in a solution of PBS, pH 7.2.</p>
<p><b>Endotoxin:</b></p>	<p>Endotoxin level is &lt; 0.1 ng/μg of protein (&lt;1.0 EU/μg purified protein) (LAL test)</p>
<p><b>Shipping, Storage and Stability:</b></p>	<p>The product is shipped with dry ice. Upon receipt, unopened vial can be stored at -80°C for over 12 months. Avoid repeated freeze/thaw cycles. Also, the product can be aliquoted in the smaller size of working aliquots with the desired buffer and concentration and stored at or below -20°C stable for 3 to 4 weeks.</p>

Background:

Homo sapiens angiotensin converting enzyme 2 (ACE2) belongs to the angiotensin-converting enzyme family of dipeptidyl carboxyl dipeptidases 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 encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS, HCoV-NL63, as well as SARS-CoV-2.

FOR RESEARCH LABORATORY TEST USE ONLY!