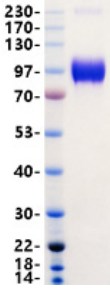


PRODUCT DATASHEET

Catalog No:	LTP-V005
Product Name:	Recombinant Human ACE2 Protein(H374N, and H378N)
Description:	Recombinant protein of the extracellular domain (Gln18-Arg708) of <i>Homo sapiens angiotensin converting enzyme 2 (ACE2), transcript variant 2</i> , with a human IgG1 Fc tag at its c-terminus
Alias or Clone:	ACEH
Source:	Expressed and purified from <i>in vitro</i> cell culture of Human 293 cells
Accession No.:	NM_021804; NP_068576; UniProt#: Q9BYF1; Gene ID: 59272;
Amino acid Sequence:	The amino acid sequences of recombinant protein was derived from accession# YP_009724390.1 fused to Glu99-Lys330 region of human IgG1 constant region.
Purity:	>90% by SDS-PAGE gel and Coomassie Blue staining
SDS-PAGE & Biological Activity:	<p>Predicted MW of this product is ~ 110 kDa. It runs higher on SDS-PAGE under the reduced condition due to post-translational modification when expressed and secreted from mammalian cells</p> 
Formulation:	Protein formulated as 1 mg/mL in a solution of PBS, pH7.2;
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (<1 EU/μg)
Shipping, Storage and Stability:	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.
Background:	<i>Homo sapiens angiotensin converting enzyme 2 (ACE2)</i> 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.