



Recombinant Human ACE2 Protein [Fc] (DAGC152)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	ACE2 Protein is Over-Expression Lysate. Human ACE2 Met 1-Ser 740 produced in HEK 293 Cells with Human IgG1 Fc, C-terminus tag(s).
Species	Human
Conjugate	Fc
Molecular Weight	110.3 kDa
Reconstitution	Reconstitute in 200 ul distilled water and boil for 2-5 min. After reconstitution, recommended to aliquot and store at -80°C
Format	Lyophilized
Size	100 µg, 1 mg
Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1 mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1 mM PMSF
Preservative	None
Storage	Short-term store at 4°C. Long term store at -80°C. Avoid freeze-thaw cycles.

BACKGROUND

Introduction	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-
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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.

Keywords

ACE2; angiotensin I converting enzyme 2; ACEH
