

Product datasheet for **TP720353M**

ACE2 (NM_021804) Human Recombinant Protein (Angiotensin Converting Enzyme 2)

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant secreted form of human ACE2 (Gln18 to Ser740)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Gln18-Ser740
Tag:	C-His
Predicted MW:	84.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_068576
Locus ID:	59272
UniProt ID:	Q9BYF1
Cytogenetics:	Xp22.2
Synonyms:	ACEH



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Summary:

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. ACE2 is known to be expressed in various human organs, and its organ- and cell-specific expression 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 coronavirus HCoV-NL63 and the human severe acute respiratory syndrome coronaviruses, SARS-CoV and SARS-CoV-2, the latter is the causative agent of coronavirus disease-2019 (COVID-19). Multiple splice variants have been found for this gene and the dACE2 (or MIRb-ACE2) splice variant has been found to be interferon inducible. [provided by RefSeq, Nov 2020]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Renin-angiotensin system

Product images: