

## Product datasheet for **TP726701**

### Rhesus Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant Rhesus Macaque ACE-2(Mammalian, C-10His)

**Species:** Rhesus

**Expression cDNA Clone  
or AA Sequence:** Gln18-Val739

**Tag:** C-His

**Buffer:** Supplied as a 0.2 um filtered solution of 25mM Tris-HCl, 150mM NaCl, 1mM ZnCl<sub>2</sub>, pH 7.5..

**Note:** Recombinant Rhesus macaque Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Val739 is expressed with a 10His tag at the C-terminus.

**Stability:** 12 months from date of despatch

**Summary:** Angiotensin-Converting Enzyme 2 (ACE-2) is an integral membrane protein and a zinc metalloprotease of the ACE family, the ACE family includes somatic and germinal ACE. ACE-2 cleaves angiotensins I and II as a carboxypeptidase, ACE-2 converts angiotensin I to angiotensin 1-9, and angiotensin II to angiotensin 1-7. ACE-2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE-2 can be high expressed in testis, kidney and heart, in colon, small intestine and ovary at moderate levels. Captopril and lisinopril as the classical ACE inhibitor don't inhibit ACE-2 activity. ACE-2 may play an important role in regulating the heart function.



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