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Product Datasheet

Recombinant Human ACE-2 (C-mFc) EBT-EPT272

Article Name	Recombinant Human ACE-2 (C-mFc)
Biozol Catalog Number	EBT-EPT272
Supplier Catalog Number	EPT272
Alternative Catalog Number	EBT-EPT272-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a mFc tag at the C-terminus....
Molecular Weight	Molecular weight: 110 KDa. Apparent molecular weight: 110-140 KDa, reducing conditions
UniProt	Q9BYF1
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>Biological activity: Immobilized 2019-nCoV S1 Protein (CatDRA35) at 10 μg/ml (100 μl/well) can bind Human ACE-2-mFc (CatC06A). The ED50 of Human ACE-2-mFc (CatC06A) is 45.11 ng/ml.</p> <p>Background: 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 highly expressed in testis, kidney and heart, in colon, small intestine and ovary at moderate levels. Captopril and lisinopril as the classical ACE inhibitor do not inhibit ACE-2 activity. ACE-2 may play an important role in regulating the heart function.</p>
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