

Recombinant Human ACE2 protein

Catalog No :	YD2195
Reactivity :	Human
Applications :	ELISA ECL Immunogold
Purity :	>90% as determined by SDS-PAGE
Fields :	For research use only .Not for use in clinical diagnostic procedures.
Gene Name :	ACE2
Protein Name :	ACE-related carboxypeptidase Angiotensin-converting enzyme homolog Metalloprotease MPROT15
Human Gene Id :	NP_001358344.1 or Q9BYF1
Human Swiss Prot No :	Q9BYF1
Mouse Swiss Prot No :	Q8R0I0
Source :	Mammalian cells
Dilution :	Testing in progress
Concentration :	>90% as determined by SDS-PAGE
Storage Stability :	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Molecularweight :	86.28kDa
Observed Band :	100-110kDa
Background :	Recombinant Human ACE2 is produced by Mammalian cells expression system and the target gene encoding Met1-Ser740 is expressed with C-HisTag

Function :

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.

Sort :14191

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