

32-7375: Recombinant Human Angiotensin-Converting Enzyme 2/ACE-2 (C-6His)

Gene : ACE2
Gene ID : 59272
Uniprot ID : Q9BYF1

Description

Source: Human Cells.
MW :84.63kD.

Recombinant Human Angiotensin-Converting Enzyme 2 is produced by our Mammalian expression system and the target gene encoding Gln18-Ser740 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 0.1mM ZnCl₂, 10% Glycerol, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : Gln18-Ser740:
QSTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNAGDKWSAFLKEQSTLAQMYPLQEIQN
LTVKLQLQALQQNGSSVLSEDKSKRLNLTILNTMSTIYSTGKVCNPDNPQECLELLEPGLNEIMANSLDYNERLWA
WESWRSEVGKQLRPLYEYVVLKNEMARANHYEDYGDYWRGDYEVNGVDGYDYSRGLIEDVEHTFEEIKPL
YEHLYVRAKLMNAYPSYISPIGCLPAHLLGDMWGRFWTNLYSLVTFGQKPNIDVTDAMVDQAWDAQRIFK
EAEKFFVSVGLPNMTQGFWENSMLTDPGNVQKAVCHPTAWDLGKGDFRILMCTKVMTDDFLTAHHEMGGHIQ
YDMAYAAQPFLLRNGANEGFHEAVGEIMLSAATPKHLKSIGLLSPDFQEDNETEINFLKQALTIVGTLPTTYML
EKWRWVMVFKGEIPKDQWMKWWEMKREIVGVVEPVPHDETYCDPASLFHVSNDYSFIRYYTRTLYQFQFQEA
LCQAAKHEGPHKCDISNTEAGQKLFNMLRLGKSEPWTALENVVGAKNMNVRPLLNYFEPLFTWLKDQKNK
SFVGWSTDWSPYADQSIKVRISLKSALGDKAYEWNENEMYLFRSSVAYAMRQYFLKVKNQMILFGEDV RVA
NLKPRISFNFFVTAPKNVSDIIPRTEVEKAIRMSRSRINDAFRLNDNSLEFLGIQPTLGPPNQPPVSDHHHHHH