9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6635: ACE2 Mouse

Alternative Name :	ACE2, 2010305L05Rik, Angiotensin I Converting Enzyme, Angiotensin I Converting, Enzyme (Peptidyl-Dipeptidase A), Angiotensin-Converting Enzyme Homolog, Angiotensin-Converting Enzyme, ACE-Related Carboxypeptidase, Metalloprotease MPROT15, Peptidyl-Dipeptidase A, ACEH, EC 3.4.17.23, EC 3.4.17.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
ACE-2 (Angiotensin converting enzyme 2) an enzyme bound to cell membranes in various organs such as intestines arteries , lungs, heart & kidney. ACE2 an entry receptor of SARS coronaviruses as well as SARS-CoV-2,.The coronavirus spike (S) glycoprotein is a class I viral fusion antigen located on the external envelope of the virion that takes part in a critical part in viral infection by identifying host cell receptors and facilitating fusion of the viral and cellular membranes. 2 main domains in coronavirus S1 have been recognized, the N-terminal domain and C-terminal domain. One or the other and/or both S1 domains function as a receptor-binding domain.Â SARS-CoV + MERS-CoV equally use C-domain to attach their receptors.ACE2 is a type I transmembrane antigen with an extracellular N-terminal domain having the catalytic site and an intracellular C-terminal tail. ACE2 obtains a signal peptide, a transmembrane domain, and a single metalloproteinase active site containing an HEXXH zinc-binding domain. ACE-2 plays a role as a mono-carboxypeptidase which degrades Ang I to produce the nonapeptide Ang 1Â–9 and Ang II to create the heptapeptide Ang 1Â–7.
ACE2 Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 731 amino acids (18-740 aa) and having a molecular mass of 84.5kDa. ACE2 is fused to a 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The ACE2 solution contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	QSLTEENAKT FLNNFNQEAE DLSYQSSLAS WNYNTNITEE NAQKMSEAAA KWSAFYEEQSÂ KTAQSFSLQE IQTPIIKRQL QALQQSGSSA LSADKNKQLN TILNTMSTIY STGKVCNPKNÂ PQECLLLEPG LDEIMATSTD YNSRLWAWEG WRAEVGKQLR PLYEEYVVLK NEMARANNYNÂ DYGDYWRGDY EAEGADGYNY NRNQLIEDVE RTFAEIKPLY EHLHAYVRRK LMDTYPSYISÂ PTGCLPAHLL GDMWGRFWTN LYPLTVPFAQ KPNIDVTDAM MNQGWDAERI FQEAEKFFVSÂ VGLPHMTQGF WANSMLTEPA DGRKVVCHPT AWDLGHGDFR IKMCTKVTMDÂ NFLTAHHEMG HIQYDMAYAR QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSIGLLPSDÂ FQEDSETEIN FLLKQALTIV GTLPFTYMLE KWRWMVFRGE IPKEQWMKKW WEMKREIVGVÂ VEPLPHDETY CDPASLFHVS NDYSFIRYYT RTIYQFQFQE ALCQAAKYNG SLHKCDISNSÂ TEAGQKLLKM LSLGNSEPWT KALENVVGAR NMDVKPLLNY FQPLFDWLKE QNRNSFVGWNÂ TEWSPYADQS IKVRISLKSA LGANAYEWTN NEMFLFRSSV AYAMRKYFSI IKNQTVPFLEÂ EDVRVSDLKP RVSFYFFVTS PQNVSDVIPR SEVEDAIRMS RGRINDVFGL NDNSLEFLGIÂ HPTLEPPYQPPVTLEHHHHH H.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.