

Datasheet for ABIN7281095
ACE2 Protein (AA 18-740) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	ACE2
Protein Characteristics:	AA 18-740
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACE2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QSLIEEKAES FLNKFNQEAE DLSYQSSLAS WNYNTNITEE NAQKMNEAAA KWSAFYEEQS KIAQNFSLQE IQNATIKRQL KALQQSGSSA LSPDKNKQLN TILNTMSTIY STGKVCNSMN PQECFLLEPG LDEIMATSTD YNRRLWAWEG WRAEVGKQLR PLYEEYVVLK NEMARANNYE DYGDYWRGDY EAEGVEGYNY NRNQLIEDVE NTFKEIKPLY EQLHAYVRTK LMEVYPSYIS PTGCLPAHLL GDMWGRFWTN LYPLTTPFLQ KPNIDVTDAM VNQSWDAERI FKEAEKFFVS VGLPQMTPGF WTNSMLTEPG DDRKVVCHPT AWDLGHGDFR IKMCTKV TMD NFLTAHHEMG HIQYDMAYAK QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSIGLLPSN FQEDNETEIN FLLKQALTIV GTLPFTYMLE KWRWMVFQDK IPREQWTKKW WEMKREIVGV VEPLPHDETY CDPASLFHVS NDYSFIRYYT RTIYQFQFQE ALCQAAKHG PLHKCDISNS TEAGQKLLNM LSLGNSGPWT LALENVVGSR NMDVKPLLNY FQPLFVWLKE QNRNSTVGWS TDWSPYADQS IKVRISLKSA LGKNAYEWD NEMYLFRSSV AYAMREYFSR EKNQTVPFGE ADVVWSDLKP RVSFNFFVTS PKNVSDIIPR SEVEEAIRMS RGRINDIFGL NDNSLEFLGI YPTLKPPYEP
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Product Details

	PVTLEHHHHH H
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

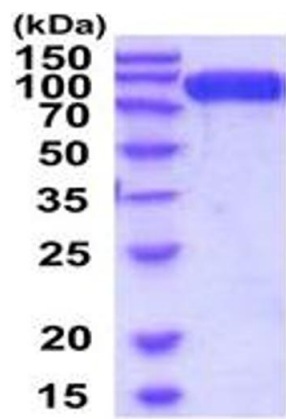
Target:	ACE2
Alternative Name:	Angiotensin-converting enzyme 2 (ACE2 Products)
Background:	ACE2, also known as angiotensin-converting enzyme 2, is carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. It is able to hydrolyze apelin-13 and dynorphin-13 with high efficiency and may be an important regulator of heart function. Recombinant rat ACE2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	84.7kDa (731aa) 70-100KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_001012006
UniProt:	Q5EGZ1
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.