

Active Recombinant Rat Ace2 Protein, His-tagged

Cat. No. Ace2-09R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat ACE-2 (18-740aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Rat
Source	Insect Cells
ProteinLength	18-740 a.a.
Description	Enzyme peptidyl-dipeptidase; mouse homolog has a role in regulation of cardiac contractility and regulating Angiotensin 1 and 2 levels
Form	Liquid
Bio-activity	Specific activity is > 150 pmol/min/μg, and is defined as the amount of enzyme that hydrolysis 1.0 pmole of Mca-YVADAPK(Dnp)-OH per minute at pH 7.5, at 25 centigrade.
Molecular Mass	84.7 kDa
Identity	731aa
AA Sequence	QSLIEEKAESFLNKFNQEADLSYQSSLASWNYNTNITEENAQKMNEAAAKWSAFY EEQSKIAQNFSLQEIQNATIKRQLKALQQSGSSALSPDKNKQLNTILNTMSTIYSTGK VCNSMNPQECFLLEPGLDEIMATSTDYNNRRLWAWEGWRAEVLGKQLRPLYEEYVVL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KNEMARANNYEDYGDYWRGDYEAEGVEGYNYNRNQLIEDVENTFKEIKPLYEQLH
 AYYVRTKLMEVYPSYISPTGCLPAHLLGDMWGRFWTNLYPLTTPFLQKPNIDVTDAMV
 NQSWDAERIFKEAEKFFVSVGLPQMTPGFWTNSMLTEPGDDRKVVCHPTAWDLGH
 GDFRIKMCTKVTMDNFLTAHHEMGHIQYDMAYAKQPFLLRNGANEGFHEAVGEIMS
 LSAATPKHLKSIGLLPSNFQEDNETEINFLKQALTIVGTLPTFTYMLEKWRWMVFQDK
 IPREQWTKKWWEMKREIVGVVEPLPHDETYCDPASLFHVSNDYSFIRYYTRTIYQFQ
 FQEALCQAAKHDGPLHKCDISNSTEAGQKLLNMLSLGNSGPWTLALENVVGSRNM
 DVKPLLNYFQPLFVWLKEQNRNSTVGWSTDWSPYADQSIKVRISLKSALGKNAYEW
 TDNEMYLFRSSVAYAMREYFSREKNQTVPFGEADVWVSDLKPRVSNFFVTSPKN
 VSDIIPRSEVEEAIRMSRGRINDIFGLNDNSLEFLGIYPTLKPPYEPPT

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE, Enzyme Activity

Storage Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name *Ace2* angiotensin I converting enzyme 2 [*Rattus norvegicus* (Norway rat)]

Official Symbol *Ace2*

Synonyms Ace2; angiotensin I converting enzyme 2; angiotensin-converting enzyme 2; ACE-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

related carboxypeptidase; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; anigotensin-converting enzyme-related carboxypeptidase; renal angiotensin-converting enzyme 2; EC 3.4.17.23

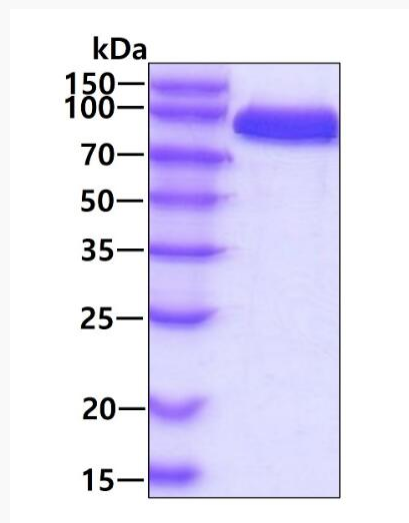
Gene ID [302668](#)

mRNA Refseq [NM_001012006](#)

Protein Refseq [NP_001012006](#)

UniProt ID [Q5EGZ1](#)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA