

## ACBD6 Human

*Acyl-CoA Binding Domain Containing 6 Human Recombinant  
RCP0007*

### Product Overview

Name ACBD6 Human

#### Description

Acyl-CoA Binding Domain Containing 6 Human Recombinant

Accession (Primary) [Q9BR61](#)

#### Synonyms

Angiotensin-converting enzyme, ACE, Dipeptidyl carboxypeptidase I, Kininase II, CD\_antigen: CD143, DCP, DCP1, ACE1, CD143

#### Introduction

Angiotensin Converting Enzyme (ACE) is a zinc metallopeptidase vital for blood pressure control and salt and water metabolism. ACE converts angiotensin I to angiotensin II by release of the terminal His-Leu which causes the vasoconstrictor activity of angiotensin to increase. ACE inactivates bradykinin, a potent vasodilator and has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety.

#### Source

Sf9, Baculovirus cells.

#### Physical Appearance

Sterile Filtered colorless solution.

#### Formulation

ACE protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

#### Stability

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.

#### Purity

Greater than 90.0% as determined by SDS-PAGE.

#### Amino acid sequence

LDPGLQPGNF SADEAGAQLF AQSYNSSAEQ VLFQSVAASW AHDTNITAEN ARRQEAAALL SQEFAEAWGQ  
KAKELYEPIW QNFTDPQLRR IIGAVRTLGS ANLPLAKRQQ YNALLSNMSR IYSTAKVCLP NKTATCWSLD  
PDLTNILASS RSYAMLLFAW EGWHNAAGIP LKPLYEDFTA LSNEAYKQDG FTDTGAYWRS WYNSPTFEDD

LEHLYQQLEP LYLNHLAFVR RALHRRYGYDR YINLRGPIPA HLLGDMWAQS WENIYDMVVP FPDKPNLDVT  
STMLQQGWNA THMFRVAEEF FTSLELSPMP PEFWEGSMLE KPADGREVVC HASAWDFYNR KDFRIKQCTR  
VTMDQLSTVH HEMGHIQYYL QYKDLPVSLR RGANPGFHEA IGDVLALSVS TPEHLHKIGL LDRVNTNDTES  
DINYLLKMAL EKIAFLPFGY LVDQWRWGVF SGRTPPSRYN FDWWYLRTKY QGICPPVTRN ETHFDAGAKF  
HVPNVTPYIR YFVSFVLQFQ FHEALCKEAG YEGPLHQCDI YRSTKAGAKL RKVLQAGSSR PWQEVLKDMV  
GLDALDAQPL LKYFQPVTQW LQEQNQQNGE VLGWPEYQWH PPLPDNYPEG IDLVTDEAEA SKFVEEYDRT  
SQVWNEYAE ANWNYNTNIT TETSKILLQK NMQIANHTLK YGTQARKFDV NQLQNTTIKR IIKKVQDLER  
AALPAQELEE YNKILDMET TYSVATVCHP NGSCLQLEPD LTNVMATSRK YEDLLWAWEG WRDKAGRIL  
QFYPKYVELI NQAARLNGYV DAGDSWRSMY ETPSLEQDLE RLFQELQPLY LNLHAYVRRA LHRHYGAQHI  
NLEGPIPAHL LGNMWAQTWS NIYDLVVPFP SAPSMDTTEA MLKQGWTPRR MFKEADDFT SLGLLPVPPE  
FWNKSMLAKEP TDGREVVCHA SAWDFYNGKD FRIKQCTTVN LEDLVVAHHE MGHIQYFMQY KDLPVALREG  
ANPGFHEAIG DVLALSVSTP KHLHSLNLLS SEGGSDDEHD NFLMKMALDK IAFIPFSYLV DQWRWRVFDG  
SITKENYNQE WWSLRLKYQG LCPPVPRRTQG DFDPGAKFHI PSSVPYIRYF VSFIIQFQFH EALCQAAGHT  
GPLHKCDIYQ SKEAGQR LAT AMKLGFSRPW PEAMQLITGQ PNMSASAMLS YFKPLLDWLR TENELHGEKL  
GWPQYNWTPN SARSEGPLPD SGRVSFLGLD LDAQQAR VEH HHHHH

#### Biological Activity

Specific activity is > 1,000 pmol/min/mg. Defined by the amount of enzyme that cleaves 1pmol of

McaRPPGFSAFK(Dnp)-OH per minute at 25C ?.

#### Precautions

ACBD6 Human is for research use only and not for use in diagnostic or therapeutic procedures.

### Target Information: ([Q9BR61](#))