

ECE-1 Protein, Human (HEK293, His)

Cat. No.:	HY-P70035
Synonyms:	rHuEndothelin-converting enzyme 1/ECE-1, His; Endothelin-converting enzyme 1; ECE-1
Species:	Human
Source:	HEK293
Accession:	P42892 (Q90-W770)
Gene ID:	1889
Molecular Weight:	94-130 kDa

PROPERTIES

AA Sequence

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QYQTRSPSVC    LSEACVSVTS    SILSSMDPTV    DPCHDFFSYA
CGGWIKANPV    PDGHSRWGTF    SNLWEHNQAI    IKHLLNSTA
SVSEAERKAQ    VYYRACMNET    RIEELRAKPL    MELIERLGGW
NITGPWAKDN    FQDTLQVVTA    HYRTSPFFSV    YVSADSKNSN
SNVIQVDQSG    LGLPSRDYYL    NKTENEKVL T    GYLNVMVQLG
KLLGGGDEEA    IRPQMQQILD    FETALANITI    PQEKRRDEEL
IYHKVTA AEL    QTLAPAINWL    PFLNTIFYPV    EINESEPIVV
YDKEYLEQIS    TLINTTDRCL    LNNYMIWNLV    RKTSSF LDQR
FQDADEK FME    VMYGTTKKTCL    PRWKFCVSDT    ENNLGFALGP
MFVKATFAED    SKSIATEIIL    EIKKAF EESL    STLKWMDEET
RKS AKEKADA    IYNMIGYPNF    IMDPKELDKV    FNDYTAVPDL
YFENAMRFFN    FSWRV TADQL    RKAPNRDQWS    MTPPMVNAYY
SPTKNEIVFP    AGILQAPFYT    RSSPKALNFG    GIGVVVGHEL
THAFDDQGRE    YDKDGNLRPW    WKNSSVEAFK    RQTECMVEQY
SNYSVNGEPV    NGRHTLGENI    ADNGGLKAAY    RAYQNWVKKN
GAEHSLPTLG    LTNNQLFFLG    FAQVWC SVRT    PESSHEGLIT
DPHSPSRFRV    IGSLSNSKEF    SEHFRCPPGS    PMNPPHKCEV
W
  
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Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is

recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The ECE-1 protein is a crucial enzyme involved in the conversion of big endothelin-1 to endothelin-1. This conversion plays a pivotal role in the maturation and activation of endothelin-1, a peptide with potent vasoconstrictor effects. By catalyzing the cleavage of big endothelin-1, ECE-1 contributes to the regulation of vascular tone and blood pressure. The activation of endothelin-1 has implications in various physiological processes, including cardiovascular homeostasis and smooth muscle contraction. As a key enzyme in the endothelin system, ECE-1's enzymatic activity is central to modulating vascular function and maintaining cardiovascular health (

Caution: Product has not been fully validated for medical applications. For research use only.

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