Datasheet for ABIN7319626

ECE1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	ECE1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ECE1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ECE1 Protein (His Tag)
Sequence:	Gln90-Trp770
Characteristics:	Recombinant Human Endothelin-converting Enzyme 1 is produced by our Mammalian expression system and the target gene encoding Gln90-Trp770 is expressed with a 8His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ECE1
Alternative Name:	ECE1 (ECE1 Products)
Background:	Background: Endothelin-Converting Enzyme-1 (ECE-1) is a single-pass type I I transmembrane (TM) protein with a short cytoplasmic tail and a large ectodomain. ECE-1 is a zinc protease of

Target Details

	the neprilysin (NEP) family, which also includes ECE-2, PEX, XCE, DINE, and Kell, and several NEP-like proteins. It is widely expressed and has several alternatively spliced forms that differ in their TM domain or cytoplasmic tail. All isoforms of ECE-1 are expressed in umbilical vein endothelial cells, polynuclear neutrophils, fibroblasts, atrium cardiomyocytes and ventricles. Endothelin-converting enzyme-1 is involved in the proteolytic processing of Endothelin-1 (EDN1), Endothelin-2 (EDN2), and Endothelin-3 (EDN3) to biologically active peptides. Defects in ECE1 are a cause of Hirschsprung disease, cardiac defects and autonomic dysfunction (HSCRCDAD). It is a form of Hirschsprung disease with skip-lesions defects, craniofacial abnormalities and other dysmorphic features, and autonomic dysfunction. Synonym: Endothelin-converting enzyme 1, ECE-1
Molecular Weight:	78.8 kDa
UniProt:	P42892
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.