

Product datasheet for **TP726826**

ECE1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Endothelin-converting Enzyme 1/ECE-1 (N-8His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln90-Trp770
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	1889
UniProt ID:	P42892
Summary:	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 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 (HSCRCAD). It is a form of Hirschsprung disease with skip-lesions defects, craniofacial abnormalities and other dysmorphic features, and autonomic dysfunction.



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