

Recombinant Human ECEL1, GST-tagged

Cat. No. ECEL1-12266H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ECEL1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	425-775a.a.
Description	This gene encodes a member of the M13 family of endopeptidases. In general, M13 family members are zinc-containing type II integral-membrane proteins that are important regulators of neuropeptide and peptide hormone activity. This gene is expressed specifically in the central nervous system and its protein localizes predominately to the endoplasmic reticulum or, in trace amounts, to the cell surface. Disruption of this gene in mouse embryonic stem cells results in neonatal lethality due to respiratory failure shortly after birth. Based on the specific expression of this gene and the phenotype of the gene deficiency in mouse embryos, it is suggested that this protein plays a critical role in neural regulation of the respiratory system. This gene has multiple pseudogenes.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	ECEL1 endothelin converting enzyme-like 1 [Homo sapiens]
Official Symbol	ECEL1
Synonyms	endothelin converting enzyme-like 1; 3147; Ensembl:ENSG00000171551; endothelin-converting enzyme-like 1;X converting enzyme;damage induced neuronal endopeptidase; XCE; DINE; ECEX
Gene ID	9427
mRNA Refseq	NM_004826.2
Protein Refseq	NP_004817.2
MIM	605896
UniProt ID	O95672
Chromosome Location	2q37.1
Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity;

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