

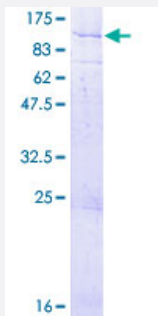
Full-Length

ECEL1 (Human) Recombinant Protein (P01)

Catalog # H00009427-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ECEL1 full-length ORF (AAH50453.2, 1 a.a. - 775 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEPPYSLTAHYDEFQEVKYVSRGAGGARGASLPPGFPLGAARSATGARSGLPRWNRREVCLL
SGLVFAAGLCAILAAMLALKYLGPAAGGGACPEGCPERKAFARAARFLAANLDASIDPCQDFYS
FACGGWLRRAIPDDKLTYGTAAGEQNEERLRRLARPGGPGGAAQRKVRAFFRSCLDMREI
ERLGPRPMLIEVEDCGGWDLGGAERPGVAARWDLNRLLYKAQGVYSAAALFSLTVSLDDRNS
SRVIRIDQDGLTLPERTLYLAQDEDESEKILAAAYRVFMERVLSELLGADAVEQKAQEILQVEQQLANIT
VSEYDDLRRDVSSMYNKVTLGQLQKITPHLRWKWLLDQIFQEDFSEEEEVVLLATDYMQQVSQLI
RSTPHRVLHNYLVWRVVVLSEHLSPPFREALHELAQEMEGSDKPQELARVCLGQANRHFGMA
LGALFVHEHFAASKAKVQQLVEDIKYILGQRLEELDWMDAETRAAARAKLQYMMVMVGYPDFL
LKPDAVDKEYEFEVHEKTYFKNILNSIRFSIQLSVKKIRQEVDKSTWLLPPQALNAYYLPNKNQMV
FAGILQPTLYDPDFPQSLNYGGIGTIIGHELTHGYDDWGGQYDRSGNLLHWWTEASYSRFLRKAEC
NRLYDNFTVYNQRVNGKHTLGENIADMGGKLAYHAYQKWWREHGPEHPLRLKYTHDQLFFIAF
AQNWCIKRRSQSMLQVLTDKHAPEHYRVLGSVSQFEFGRAFHCPCDSPMNPAAHKCSVW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.2

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ECEL1

Entrez GeneID	9427
GeneBank Accession#	BC050453.1
Protein Accession#	AAH50453.2
Gene Name	ECEL1
Gene Alias	DINE, ECEX, XCE
Gene Description	endothelin converting enzyme-like 1
Omim ID	605896
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000164361|X converting enzyme|damage induced neuronal endopeptidase

Publication Reference

- [Finding a reliable assay for soluble neprilysin.](#)

Oi Wah Liew, Timothy C R Prickett, Elena Revuelta-López, Samantha S M Ling, Adriana Cserkőová, Josep Lupón, Jessica YX Ng, Jenny P C Chong, Shera Lilyanna, Siew-Pang Chan, Qifeng Lin, Teck K Lim, Qingsong Lin, Jaume Barallat, Antoni Bayés-Genís, A Mark Richards.

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Application: Quant, Human, Plasma