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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ECEL1 (Human) Recombinant Protein (P01)

Catalog Number: H00009427-P01

Regulation Status: For research use only (RUO)

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

Sequence:

MEPPYSLTAHYDEFQEVKYVSRGAGGARGASLPPG
FPLGAARSATGARSGLPRWNRREVCLLSGLVFAAGLC
AILAAMLALKYLGPVAAGGGACPEGCPERKAFARAAR
FLAANLDASIDPCQDFYSFACGGWLRRAIPDDKLTY
GTIAAIGEQNEERLRLLARPGGGPGGAAQRKVRFAFF
RSCLDMREIERLGRPMLEVEDCGGWDLGGAEERP
GVAARWDLNRLLYKAQGVYSAALFSLTVSLDDRNS
RYVIRIDQDGLTLPERTLYLAQDEDESEKILAAAYRFMER
VLSLLGADAVEQKAQEILQVEQQLANITVSEYDDLRRD
VSSMYNKVTLGQLKQITPHLRWKWLLDQIFQEDFSEE
EEVLLATDYMQQVSQLIRSTPHRVLHNYLVWRVVVV
LSEHLSPPFREALHELAQEMEGSDKPKELARVCLGQA
NRHFGMALGALFVHEHFSAAASKAKVQQLVEDIKYILGQ
RLEELDWMDAETRAAAARAKLQYMMVMVGYPDFLLKP
DAVDKEYEFEVHEKTYFKNILNSIRFSIQLSVKIRQEV
DKSTWLLPPQALNAYYLPNKNQMVFPAGILQPTLYDP
DFPQSLNYGGIGTIIGHELTHGYDDWGGQYDRSGNLL
HWWTEASYSRFLRKAECIVRLYDNFTVYNQRVNGKHT
LGENIADMGGGLKLAYHAYQKWVREHGPEHPLPRLKYT
HDQLFFIAFAQNWCIKRRSQSIYLQVLTDKHAPEHYRV
LGSVSVQFEFGRFAHCPKDSMPMNAHKCSVW

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 114.2

Interspecies Antigen Sequence: Mouse (94); Rat (94)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression](#)

[system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 9427

Gene Symbol: ECEL1

Gene Alias: DINE, ECEX, XCE

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]

References:

1. Finding a reliable assay for soluble neprilysin. Oi Wah Liew, Timothy C R Prickett, Elena Revuelta-Lopez, Samantha S M Ling, Adriana Cserkoova, Josep Lupon, Jessica Y X Ng, Jenny P C Chong, Shera Lilyanna, Siew-Pang Chan, Qifeng Lin, Teck K Lim, Qingsong Lin, Jaume Barallat, Antoni Bayes-Genis, A Mark Richards. Clin Biochem. 2022 Jun;104:51-58. doi: 10.1016/j.clinbiochem.2022.03.004. Epub 2022 Mar 21.