

Product datasheet for **RC235887**

PEA15 (NM_001297577) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEA15 (NM_001297577) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PEA15
Synonyms: HMAT1; HUMMAT1H; MAT1; MAT1H; PEA-15; PED; PED-PEA15; PED/PEA15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235887 representing NM_001297577
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGAGTACGGGACCCTCCTGCAAGACCTGACCAACAACATCACCCTTGAAGATCTAGAACAGCTCA
AGTCGGCCTGCAAGGAAGACATCCCCAGCGAAAAGAGTGAGGAGATCACTACTGGCAGTGCCTGGTTTAG
CTTCCTGGAGAGCCACAACAAGCTGGACAAAGACAACCTCTCCTACATTGAGCACATCTTTGAGATCTCC
CGCCGTCCTGACCTACTCACTATGGTGGTTGACTACAGAACCCGTGTGCTGAAGATCTCTGAGGAGGATG
AGCTGGACACCAAGCTAACCCGTATCCCCAGTGCCAAGAAGTACAAGACATTATCCGGCAGCCCTCTGA
GGAAGAGATCATCAAATTGGCTCCCCACCGAAGAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235887 representing NM_001297577
Red=Cloning site Green=Tags(s)
MAEYGTLLQDLTNNITLEDLEQLKSACKEDIPSEKSEEITTSWAFSFLSHNKLKDKNLSYIEHIFEIS
RRPDLLTMVVDYRTRVLKISEEDELDTKLTRIPSAKKYKDIIRQPSEEEI IKLAPPPKKA

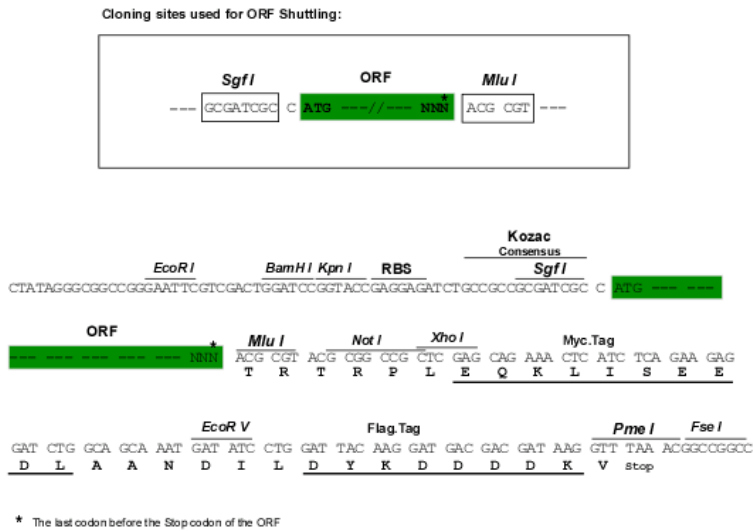
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

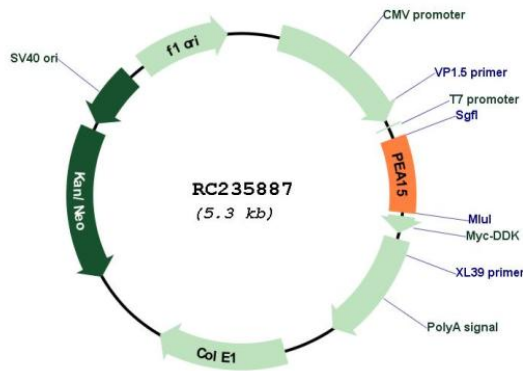


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_001297577

ORF Size:

390 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001297577.2
RefSeq Size:	2614 bp
RefSeq ORF:	393 bp
Locus ID:	8682
UniProt ID:	Q15121
Cytogenetics:	1q23.2
Protein Families:	Druggable Genome
MW:	15.5 kDa
Gene Summary:	This gene encodes a death effector domain-containing protein that functions as a negative regulator of apoptosis. The encoded protein is an endogenous substrate for protein kinase C. This protein is also overexpressed in type 2 diabetes mellitus, where it may contribute to insulin resistance in glucose uptake. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]