

Product datasheet for **RG228685**

NACAD (NM_001146334) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NACAD (NM_001146334) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NACAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228685 representing NM_001146334 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTGGGGAGGCTGCCCGCGCCGAGCTGCTGCTGCCCGAGGCGGACCGACCCGGGCCCGCACAGATC
TGTCCTGCGATGCGGCCGCTGCCACCACCATCCTGGGAGGGGACCGCGGGAGCCCTGTGCTCTGACCCC
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CCAAGAGTCTGTCACTGCAGAAAACTTCCAACCTCCACAGGAAGAAACAAGCCTCACATTGTGTCCAGAC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

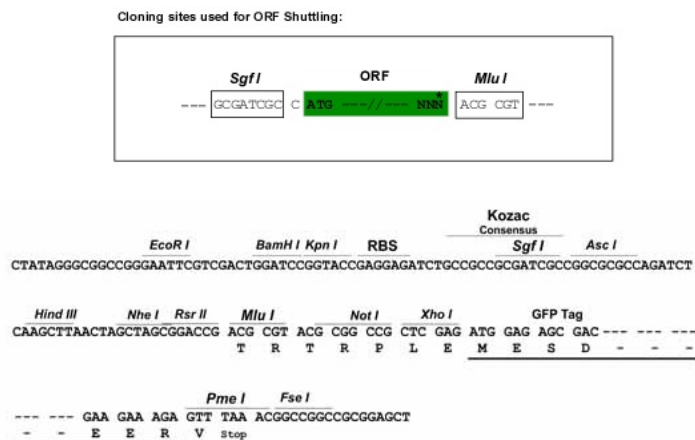
Protein Sequence: >RG228685 representing NM_001146334
Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

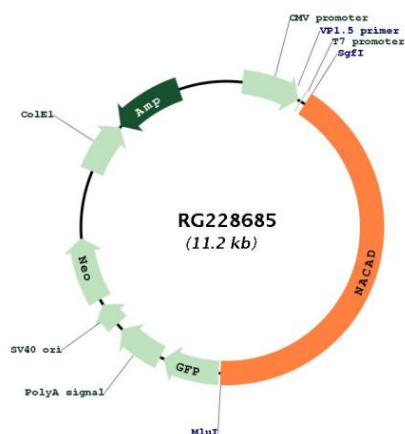


ACCN: NM_001146334

ORF Size: 4686 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:	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_001146334.2
RefSeq Size:	4778 bp
RefSeq ORF:	4689 bp
Locus ID:	23148
UniProt ID:	O15069
Cytogenetics:	7p13
Gene Summary:	May prevent inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). May bind to nascent polypeptide chains as they emerge from the ribosome and block their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. May also reduce the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG228685