

Product datasheet for **RC228211**

EAN57 (TEX33) (NM_001163857) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	EAN57
Synonyms:	C22orf33; cE81G9.2; EAN57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228211 representing NM_001163857
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGGCCACGGAGCAGGTACAACCACTTTCACCAGGGCCCATCTGAATGACAAGGAGGGCCAAC
AGGACTTGGACCCCTGGAAGCGGCCTACAGTTCCTTGGACACCTCCAAGTTCAGAACCAGGGTCTGTC
ATCCCCACAGCCCTGCCCTGGGAGCCAGCGCTCAAGGCAGCTCCCTAGGGCAGTGCCACTTGAAGGAG
ATTCCCCCTCCACCCCGACTGCTGCCAGCAGGGATTCTCTGGGCATGGACCCACAGTCCAGGTCCCTGA
AGAATGCGGGCTCTCGATCCTCCTCGAGAGAGAACAGGGCCACCTCGGGAGAGGGGGCTCAGCCATGCCA
GGGGACGGATGACGGTCCAGCTTGGGGGCTCAGGACCAGAGGAGCAGCCACGAACCAGAAGGGCAGC
ATCATTCCTAACACATTCGCCACAAGTTTGGGAGCAATGTGGTGGACCAGCTGGTCTCCGAGGAGCAGG
CTCAAAGGCTATTGATGAAGTCTTCGAGGGCCAGAAAAGGCAAGCTCATGGCCAGCAGGACCCAGAA
TCCTGTGGAATCTCCTCCGTCTTCTCAGACTACTATGACCTCGGCTACAACATGCGGTCAAACCTTGTTT
CGAGGGGCTGCTGAGGAGACAAAGAGCCTCATGAAGGCTTCTACACACAGAGGTCAATTGAGAAATCAG
TGAGGGACTTAGAAGCTGGCATGGCAGGAAGACGGATGATCTGGGGCGGTGGCACCAGAAAAATGCTAT
GAACCTGAAGTTGCAGAAAGCACTGGAAGAGAAATATGGAGAAAACAGCAAAATCCAAGAGCTCCAAGTAC

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC228211 representing NM_001163857

Red=Cloning site Green=Tags(s)

MELGHGAGTTTFFTRAHLNDKEGQQDLDPWKAAYSSLDTSKFNQGLSSPQLPLGASAQGSSLGQCHLKE
IPPPPTAASRDSLGMDPQSRSLKNAGSRSSRENRATSGEGAQPCQGTDDGPSLGAQDQRSTPTNQKGS
IIPNNIRHKFGSNVVDQLVSEEQAQKAIDEVFEGQKRASSWPSRTQNPVEISSVFSDYYDLGYNMRSNLF
RGAAEETKSLMKASYTPEVIEKSVRDLEHWHGRKTDDLGRWHQKNAMNLLQKALEEKYGENSKSKSSKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

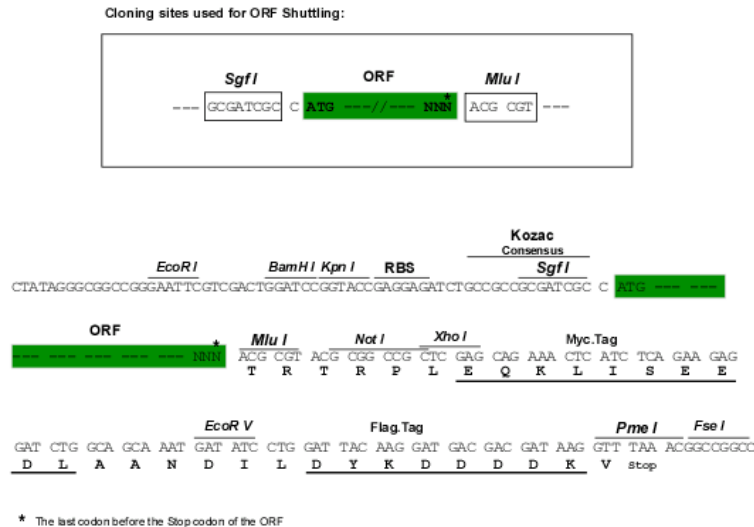
Chromatograms:

https://cdn.origene.com/chromatograms/mk8049_b02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001163857

ORF Size:

840 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001163857.2

RefSeq ORF: 843 bp

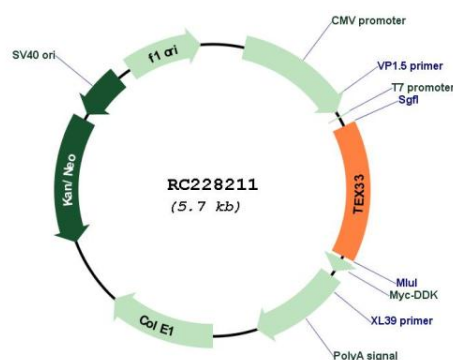
Locus ID: 339669

UniProt ID: O43247

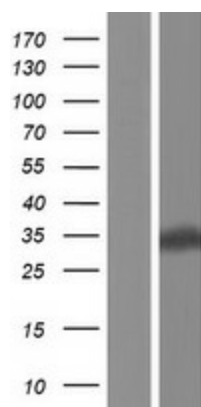
Cytogenetics: 22q12.3

MW: 30.5 kDa

Product images:



Circular map for RC228211



Western blot validation of overexpression lysate (Cat# [LY431239]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228211 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).