

Product datasheet for RC226496

UNC80 (NM_032504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC80 (NM_032504) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UNC80
Synonyms:	C2orf21; UNC-80
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226496 representing NM_032504 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**GCGATCGCC**

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Protein Sequence:

>RC226496 representing NM_032504
 Red=Cloning site Green=Tags(s)

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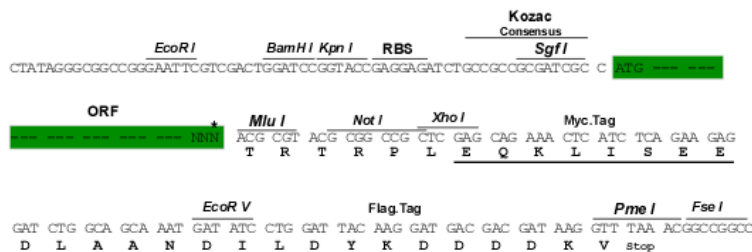
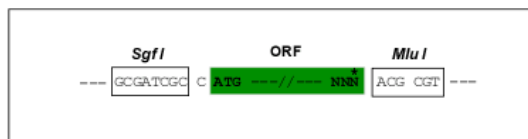
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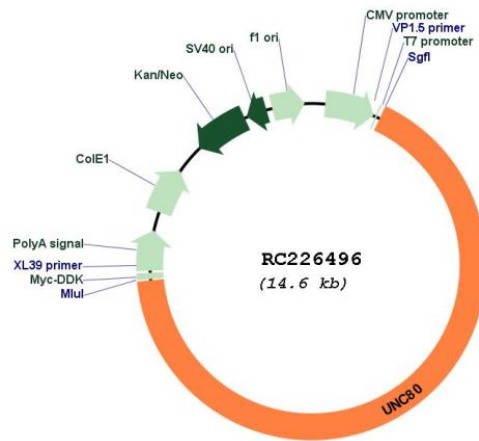
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_032504

ORF Size: 9774 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_032504.1](#), [NP_115893.1](#)

RefSeq ORF: 9777 bp

Locus ID: 285175

UniProt ID: [Q8N2C7](#)

Cytogenetics: 2q34

MW: 363.2 kDa

Gene Summary:

The protein encoded by this gene is a component of a voltage-independent 'leak' ion-channel complex, in which it performs essential functions, such as serving as a bridge between two other components (sodium leak channel non-selective and UNC79) and as a scaffold for Src kinases. Leak channels play an important role in establishment and maintenance of resting membrane potentials in neurons. Mutations in this gene are associated with congenital infantile encephalopathy, intellectual disability and growth issues. [provided by RefSeq, Aug 2016]