

Product datasheet for **RG226496**

UNC80 (NM_032504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	UNC80
Synonyms:	C2orf21; UNC-80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG226496 representing NM_032504
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RG226496 representing NM_032504

Red=Cloning site Green=Tags(s)

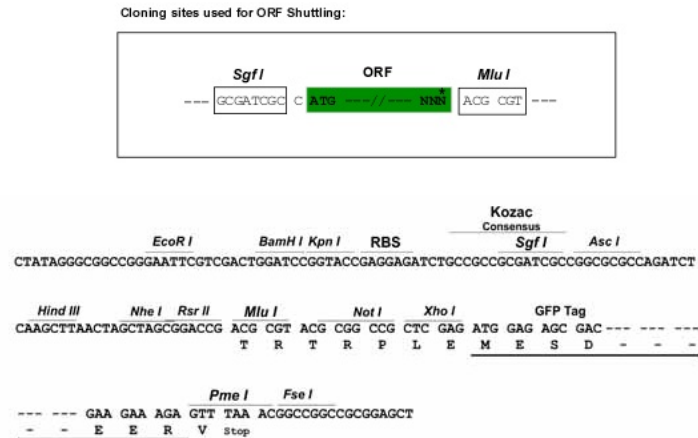
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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.

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

RefSeq: [NM_032504.1](#), [NP_115893.1](#)

RefSeq Size: 13562 bp

RefSeq ORF: 9777 bp

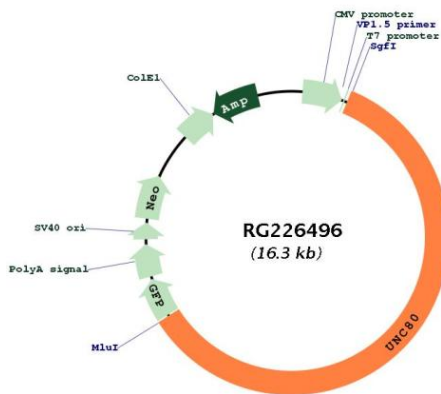
Locus ID: 285175

UniProt ID: [Q8N2C7](#)

Cytogenetics: 2q34

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]

Product images:



Circular map for RG226496