OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC229478

UNC80 (NM_182587) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UNC80 (NM_182587) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UNC80
Synonyms:	C2orf21; UNC-80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229478 representing NM_182587
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC229478 representing NM_182587
Red=Cloning site Green=Tags(s)

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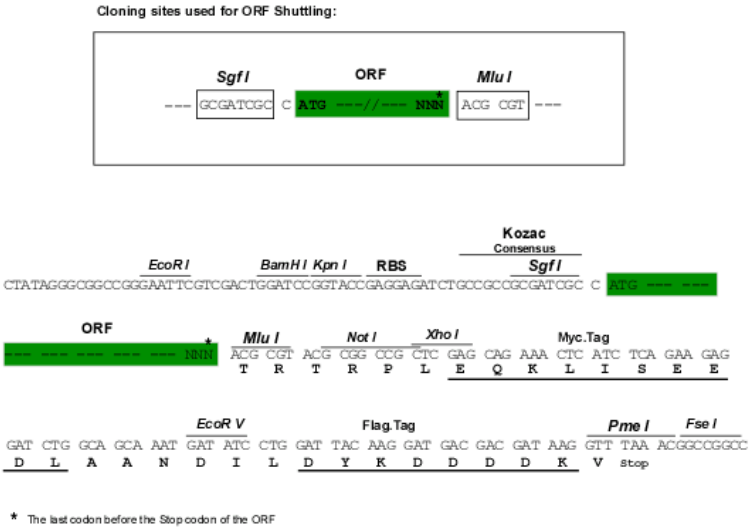
Restriction Sites: SgfI-MluI

Cloning Scheme:

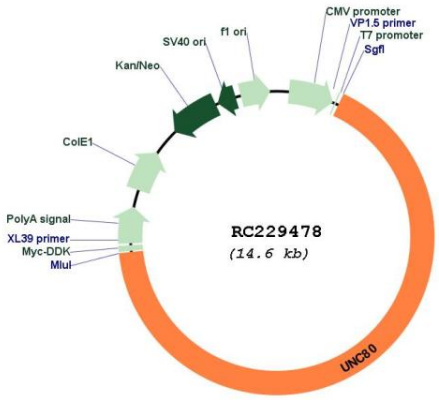


ACCN: NM_182587

ORF Size: 9702 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_182587.4
RefSeq Size:	13490 bp
RefSeq ORF:	9705 bp
Locus ID:	285175
UniProt ID:	Q8N2C7
Cytogenetics:	2q34
MW:	360.9 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 importnat 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 RC229478