

## Product datasheet for **SC307450**

### UNC80 (NM\_182587) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UNC80 (NM\_182587) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** UNC80  
**Synonyms:** C2orf21; UNC-80  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_182587, the custom clone sequence may differ by one or more nucleotides

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 GAGCTGGGAAAACGGATGCAGTATTAGATGAGTCTCATGTTTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_182587

**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](mailto: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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_182587.1</a></u> , <u><a href="#">NP_872393.1</a></u>
<b>RefSeq Size:</b>	2771 bp
<b>RefSeq ORF:</b>	963 bp
<b>Locus ID:</b>	285175
<b>UniProt ID:</b>	<u><a href="#">Q8N2C7</a></u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2) is shorter than isoform 1. There are no full-length transcripts representing this variant in human; it is inferred from partial transcript data and from alignments of homologous transcripts. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>