

Product datasheet for **SC326442**

UNC80 (NM_032504) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UNC80 (NM_032504) Human Untagged Clone
Tag: Tag Free
Symbol: UNC80
Synonyms: C2orf21; UNC-80
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_032504, the custom clone sequence may differ by one or more nucleotides

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- Restriction Sites:** Please inquire
- ACCN:** NM_032504
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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.
- 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 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.