

Product datasheet for **SC301444**

C20orf30 (TMEM230) (NM_001009925) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf30 (TMEM230) (NM_001009925) Human Untagged Clone
Tag:	Tag Free
Symbol:	C20orf30
Synonyms:	C20orf30; dj1116H23.2.1; HSPC274
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301444 representing NM_001009925 Red =Cloning site Blue =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCCGTCCCGTACCAACCTGGCTACTGGAATCCCCAGTAGTAAAGTGAAATATTCAAGGCTCTCCA
GCACAGACGATGGCTACATTGACCTTCAGTTTAAGAAAACCCCTCCTAAGATCCCTTATAAGGCCATCGC
ACTTGCCACTGTGCTGTTTTGATTGGCGCCTTCTCATTATTATAGGCTCCCTCCTGCTGTCAGGCTAC
ATCAGCAAAGGGGGCAGACCCGGCCGTTCCAGTGCTGATCATTGGCATTCTGGTGTTCCTACCCGGAT
TTTACCACCTGCGCATCGCTTACTATGCATCAAAGGCTACCGTGGTTACTCCTATGATGACATTCCAGA
CTTTGATGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Please inquire
ACCN:	NM_001009925



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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 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_001009925.1](#), [NP_001009925.1](#)

RefSeq Size: 1468 bp

RefSeq ORF: 363 bp

Locus ID: 29058

UniProt ID: [Q96A57](#)

Cytogenetics: 20p13-p12.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a multi-pass transmembrane protein that belongs to the TMEM134/TMEM230 protein family. The encoded protein localizes to secretory and recycling vesicle in the neuron and may be involved in synaptic vesicles trafficking and recycling. Mutations in this gene may be linked to familial Parkinson's disease. [provided by RefSeq, Mar 2017]

Transcript Variant: This variant (4) lacks an exon in the 5' region, and uses a downstream AUG codon for translation initiation, as compared to variant 1. The encoded isoform (2) has a shorter N-terminus, as compared to isoform 1.