Product datasheet for RC201878

C20orf30 (TMEM230) (NM_014145) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf30 (TMEM230) (NM_014145) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C20orf30
Synonyms:	C20orf30; dJ1116H23.2.1; HSPC274
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201878 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGCCGTCCCGTACCAACCTGGCTACTGGAATCCCCAGTAGTAAAGTGAAATATTCAAGGCTCTCCA GCACAGACGATGGCTACATTGACCTTCAGTTTAAGAAAACCCCTCCTAAGATCCCTTATAAGGCCATCGC ACTTGCCACTGTGCTGTTTTTGATTGGCGCCTTTCTCATTATTATAGGCTCCCTCCTGCTGTCAGGCTAC ATCAGCAAAGGGGGGGCAGACCGGGCCGTTCCAGTGCTGATCATTGGCATTCTGGTGTTCCTACCCGGAT TTTACCACCTGCGCATCGCTTACTATGCATCCAAAGGCTACCGTGCTTACTCCTATGATGACATTCCAGA CTTTGATGAC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC201878 protein sequence Red=Cloning site Green=Tags(s) MMPSRTNLATGIPSSKVKYSRLSSTDDGYIDLQFKKTPPKIPYKAIALATVLFLIGAFLIIIGSLLLSGY ISKGGADRAVPVLIIGILVFLPGFYHLRIAYYASKGYRAYSYDDIPDFDD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6305_f08.zip
Restriction Sites:	SgfI-MluI

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Cloning Scheme:

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ACCN:	NM_014145
ORF Size:	360 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.
RefSeq:	NM_014145.2
RefSeq Size:	1699 bp
RefSeq ORF:	363 bp
Locus ID:	29058
UniProt ID:	Q96A57

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Cytogenetics:	20p13-p12.3
Protein Families:	Transmembrane
MW:	13.2 kDa
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]

Product images:
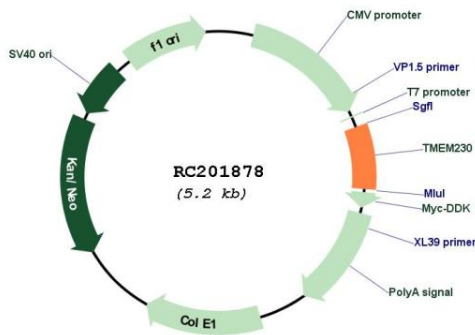
Circular map for RC201878
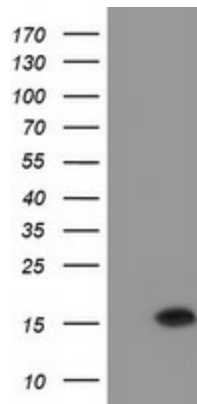
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C20orf30 (Cat# RC201878, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C20orf30(Cat# [TA504888]). Positive lysates [LY415474] (100ug) and [LC415474] (20ug) can be purchased separately from OriGene.

ORIGENE
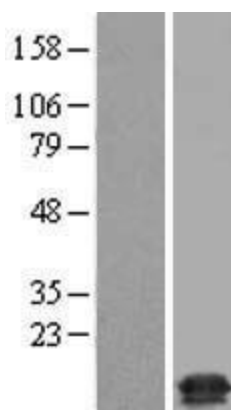
Western blot validation of overexpression lysate (Cat# [LY423153]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224414] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).
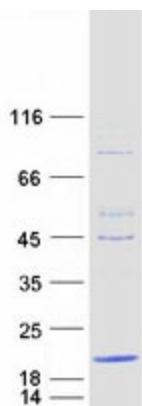
Coomassie blue staining of purified TMEM230 protein (Cat# [TP301878]). The protein was produced from HEK293T cells transfected with TMEM230 cDNA clone (Cat# RC201878) using MegaTran 2.0 (Cat# [TT210002]).