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Product datasheet for RC200838

KCTD15 (NM_024076) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD15 (NM_024076) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCTD15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200838 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCACCGCAAGGAGCGGCCGAGCGGGTCCTCGCTTCACACACACGGCAGCACCGGCACCGCGGAGG
GAGGAAACATGTCCCGGCTGTCTCTCACCCGGTCGCCTGTGTCTCCCCTGGCTGCCCAGGGCATCCCCCT
GCCAGCCCAGCTCACCAAGTCCAATGCACCTGTGCACATCGATGTGGGCAGCCACATGTACACCAGCAGC
CTGGCCACGCTCACCAAGTACCCTGACTCCAGGATAAGCCGCCTCTTCAATGGCACTGAACCCATCGTCC
TGGACAGTTTGAAGCAACATTATTTCATTGACCGGGATGGGGAGATTTTCCGCTACGTCCTGAGCTTCCT
GCGGACGTCCAAGCTGCTGCTTCCGGATGACTTTAAGGACTTCAGTCTGCTGTACGAGGAGGCGCGCTAC
TATCAGCTCCAGCCCATGGTGCGCGAGCTGGAGCGCTGGCAGCAGGAGCAGGAGCAGCGGCGCCGCAGCC
GGGCCTGTGACTGCCTGGTGGTGCGCGTCACGCCCGACTTGGGCGAGCGGATCGCACTCAGCGGCGAGAA
GGCCCTCATCGAGGAGGTCTTCCCCGAGACCGGAGACGTCATGTGCAACTCCGTCAACGCCGGCTGGAAC
CAGGACCCCACGCACGTCATCCGCTTCCCGCTCAATGGCTACTGCCGGCTCAACTCGGTACAGGATGTTC
TA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC200838 protein sequence
Red=Cloning site Green=Tags(s)

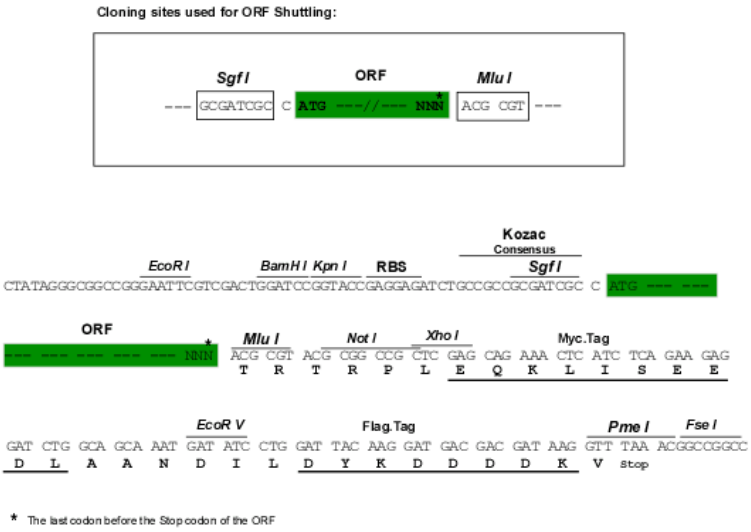
MPHRKERPSGSSLHTHGSTGTAEGGNMSRLSLTRSPVSPLAAQGIPLPAQLTKSNAPVHIDVGSHMYTSS
LATLTKYPDSRISRLFNGTEPIVLDSLKQHYFIDRDGEIFRYVLSFLRTSKLLLPDDFKDFSLLYEEARY
YQLQPMVRELERWQQEQEQRRRSRACDCLVVRVTPDLGERIALSGEKALIEEVFPETGDVMCNSVNAGWN
QDPTHVIRFPLNGYCRLNSVQDVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6392_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024076

ORF Size: 702 bp

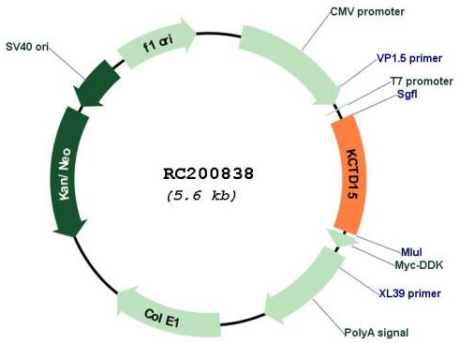
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

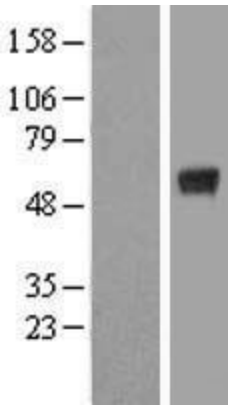
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024076.1, NP_076981.1
RefSeq Size:	4935 bp
RefSeq ORF:	705 bp
Locus ID:	79047
UniProt ID:	Q96SI1
Cytogenetics:	19q13.11
Domains:	BTB, K_tetra
Protein Families:	Ion Channels: Other
MW:	26.5 kDa
Gene Summary:	During embryonic development, interferes with neural crest formation (By similarity). Inhibits AP2 transcriptional activity by interaction with its activation domain.[UniProtKB/Swiss-Prot Function]

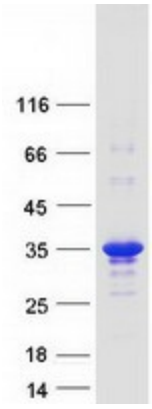
Product images:



Circular map for RC200838



Western blot validation of overexpression lysate (Cat# [LY411332]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200838 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KCTD15 protein (Cat# [TP300838]). The protein was produced from HEK293T cells transfected with KCTD15 cDNA clone (Cat# RC200838) using MegaTran 2.0 (Cat# [TT210002]).