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Product datasheet for RC225392

KCTD15 (NM_001129995) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence:

>RC225392 representing NM_001129995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCACCGCAAGGAGCGGCCGAGCGGGTCCTCGCTTCACACACACGGCAGCACCGGCACCGCGGAGG
GAGGAAACATGTCCCGGCTGTCTCTCACCCGGTCGCCTGTGTCTCCCCTGGCTGCCCAGGGCATCCCCCT
GCCAGCCCAGCTCACCAAGTCCAATGCACCTGTGCACATCGATGTGGGCGGCCACATGTACACCAGCAGC
CTGGCCACGCTCACCAAGTACCCTGACTCCAGGATAAGCCGCCTCTTCAATGGCACTGAACCCATCGTCC
TGGACAGTTTGAAGCAACATTATTTCATTGACCGGGATGGGGAGATTTTCCGCTACGTCCTGAGCTTCCT
GCGGACGTCCAAGCTGCTGCTTCCGGATGACTTTAAGGACTTCAGTCTGCTGTACGAGGAGGCGCGCTAC
TATCAGCTCCAGCCCATGGTGCGCGAGCTGGAGCGCTGGCAGCAGGAGCAGGAGCAGCGGCGCCGCAGCC
GGGCCTGTGACTGCCTGGTGGTGCGCGTCACGCCCGACTTGGGCGAGCGGATCGCACTCAGCGGCGAGAA
GGCCCTCATCGAGGAGGTCTTCCCCGAGACCGGAGACGTCATGTGCAACTCCGTCAACGCCGGCTGGAAC
CAGGACCCCACGCACGTCATCCGCTTCCCGCTCAATGGCTACTGCCGGCTCAACTCGGTACAGGTCCTGG
AGCGGCTGTTCCAGAGGGGTTTCAGCGTGGCTGCGTCCTGTGGGGGCGGTGTGGACTCCTCCCAGTTCAG
CGAGTATGTGCTTTGCCGGGAGGAGCGGCGGCCGCAGCCCACCCCCACTGCTGTTCGAATCAAGCAGGAA
CCCCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC225392 representing NM_001129995
Red=Cloning site Green=Tags(s)

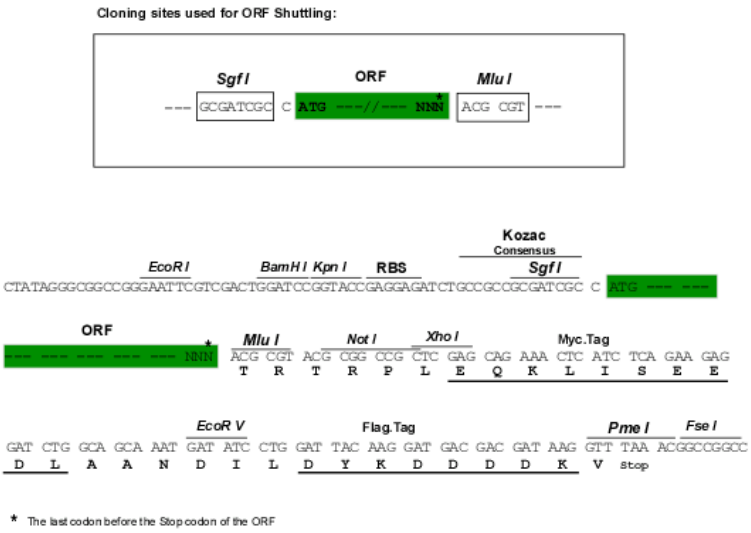
MPHRKERPSGSSLHTHGSTGTAEGGNMSRLSLTRSPVSPLAAQGIPLPAQLTKSNAPVHIDVGGHMYTSS
LATLTKYPDSRISRLFNGTEPIVLDSLKQHYFIDRDGEIFRYVLSFLRTSKLLLPDDFKDFSLLYEEARY
YQLQPMVRELERWQQEQEQRRRSRACDCLVVRVTPDLGERIALSGEKALIEEVFPETGDVMCNSVNAGWN
QDPTHVIRFPLNGYCRLNSVQVLERLFQRGFSVAASCGGGVDSSQFSEYVLCREERRPQPTPTAVRIKQE
PLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001129995

ORF Size: 849 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_001129995.2

RefSeq Size: 3933 bp

RefSeq ORF: 852 bp

Locus ID: 79047

UniProt ID: Q96SI1

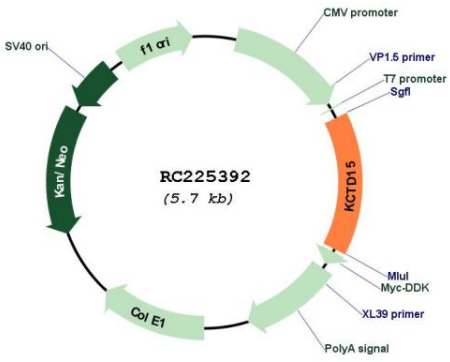
Cytogenetics: 19q13.11

Protein Families: Ion Channels: Other

MW: 31.9 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 RC225392