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Product datasheet for RC206819

ANKRD13C (NM_030816) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD13C (NM_030816) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD13C
Synonyms:	dJ677H15.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC206819 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGGGGAGAAGATCCGCTCACTGCGGAGGGACCACAAGCCCAGCAAAGAAGAAGGGGACCTGCTGG
AGCCCGGGGATGAGGAAGCGGCGGCTGCCCTCGGCGGTACCTTTACCAGAAGCAGGATTGGCAAGGGCGG
CAAAGCTTGTCATAAGATCTTCAGTAACCATCACCACCGGCTACAGCTGAAGGCAGCTCCGGCCTCCTCC
AATCCCCCCGGCGCCCCGGCTCTGCCGCTGCACAATTCCTCCGTGACTGCCAACTCCCAGTCCCCGGCCC
TTCTGGCCGGCACCAACCCCGTTGCTGTCGTCGCGGATGGAGGCAGTTGCCCCGCACACTACCCGGTGCA
CGAGTGCGTCTTCAAGGGGGATGTGAGGAGACTCTCCTCTCTCATCCGCACGCACAATATCGGGCAGAAA
GATAATCACGGAAATACTCCTTTACACCTTGCTGTGATGTTAGGAAATAAAGAATGTGCCCATTTACTTT
TGGCTCACAATGCTCCAGTCAAGGTGAAAAATGCTCAGGGATGGAGCCCTCTGGCGGAAGCCATCAGCTA
TGGAGATAGGCAGATGATTACAGCTCTTTTGAGGAAGCTTAAGCAGCAATCCAGGGAAAGTGTTGAAGAA
AAACGACCTCGATTATTAAAAGCCCTGAAAGAGCTAGGTGACTTTTATCTAGAACTTCACTGGGATTTTC
AAAGCTGGGTGCCTTTACTTTCCCGAATTCTGCCTTCCGATGCATGTAAAATATACAAACAAGGTATCAA
TATCAGGCTTGACACAACTCTCATAGACTTTACTGACATGAAGTGCCAACGAGGGGATCTAAGCTTCATT
TTCAATGGGGATGCGGCGCCCTCTGAATCTTTTGTAGTATTAGACAATGAACAAAAAGTTTATCAGCGAA
TACATCATGAGGAATCAGAGATGGAAACAGAAGAAGAGGTGGATATTTTAATGAGCAGTGATATTTACTC
TGCAACTTTATCAACAAAATCAATTTCTTTCACGCGTGCCCAGACAGGATGGCTTTTTCGGGAAGATAAA
ACAGAAAGAGTAGGAAACTTTTTGGCAGACTTTTACCTGGTGAATGGACTTGTTTTAGAATCAAGGAAAA
GAAGAGAACATCTCAGTGAAGAGGATATTCTTCGAAATAAGGCCATCATGGAGAGTTTGAGTAAAGGTGG
AAACATAATGGAACAGAATTTTGAGCCGATTCGAAGACAGTCTCTTTCACCTCCTCCTCAGAACACTATT
ACATGGGAAGAATATATATCTGCTGAAAATGGAAAAGCTCCTCATCTGGGTAGAGAATTGGTGTGCAAAG
AGAGTAAGAAAACGTTTAAAGCTACGATAGCCATGAGCCAGGAATTTCCCTTAGGGATAGAGTTATTATT
GAATGTTTTAGAAGTAGTAGCTCCCTTCAAGCACTTTAACAAGCTTAGAGAATTTGTTCAGATGAAGCTT
CCTCCAGGCTTTCCTGTAAAATTAGATATACCTGTGTTTCCCACAATCACAGCCACTGTGACTTTTCAGG
AGTTTCGATACGATGAATTTGATGGCTCCATCTTTACTATACCTGATGACTACAAGGAAGACCCAAGCCG
TTTTCCTGATCTT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206819 protein sequence
Red=Cloning site Green=Tags(s)

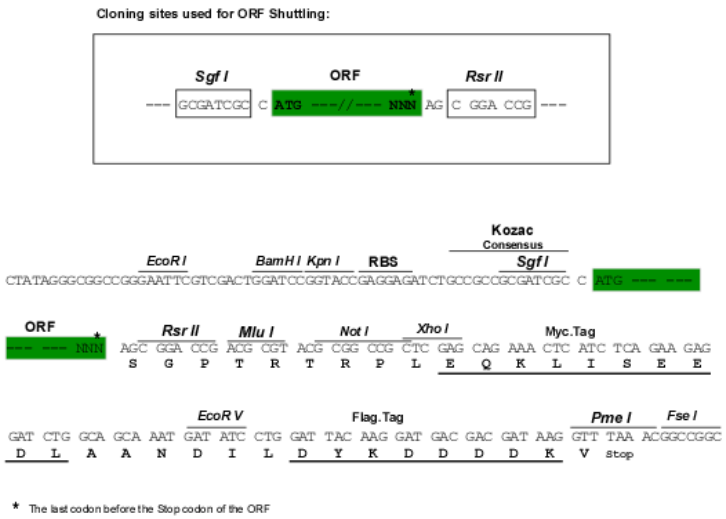
MTGEKIRSLRRDHKPSKEEGDLLEPGDEEAAAALGGTFTRSRIGKGGKACHKIFSNHHHRLQLKAAPASS
NPPGAPALPLHNSSVTANSQSPALLAGTNPVAVVADGGSCPAHYPVHECVFKGDVRRLSSLIRTHNIGQK
DNHGNTPLHLAVMLGNKECAHLLLAHNAPVKVKNAQGWSPLAEAISYGDRQMITALLRKLKQQSRESVEE
KRPRLLKALKELGDFYLELHWDFQSWVPLLSRILPSDACKIYKQGINIRLDTTLIDFTDMKCQRGDLSFI
FNGDAAPSESFVVLDNEQKVYQRIHHEESEMETEEEVDILMSSDIYSATLSTKSISFTRAQTGWLFREDK
TERVGNFLADFYLVNGLVLESRKRREHLSEEDILRNKAIMESLSKGGNIMEQNFEPIRRQSLSPPPQNTI
TWEEYISAENGKAPHLGRELVCKESKKTFKATIAMSQEFPLGIELLLNVLEVVAPFKHFNKLREFVQMKL
PPGFPVKLDIPVFPTITATVTFQEFRYDEFDGSIFTIPDDYKEDPSRFPDL

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6618_h09.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_030816

ORF Size: 1623 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_030816.3

RefSeq Size: 5682 bp

RefSeq ORF: 1626 bp

Locus ID: 81573

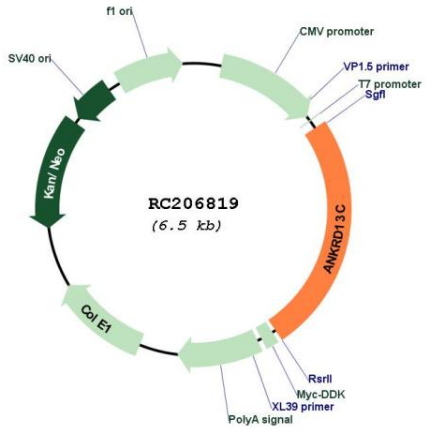
UniProt ID: Q8N6S4

Cytogenetics: 1p31.1

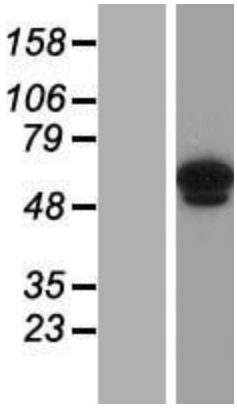
MW: 60.8 kDa

Gene Summary: Acts as a molecular chaperone for G protein-coupled receptors, regulating their biogenesis and exit from the ER.[UniProtKB/Swiss-Prot Function]

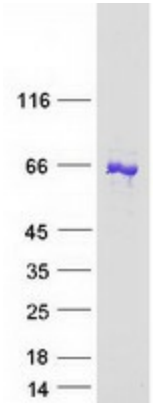
Product images:



Circular map for RC206819



Western blot validation of overexpression lysate (Cat# [LY410686]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206819 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ANKRD13C protein (Cat# [TP306819]). The protein was produced from HEK293T cells transfected with ANKRD13C cDNA clone (Cat# RC206819) using MegaTran 2.0 (Cat# [TT210002]).