

## Product datasheet for RC219736

### C22orf36 (LRRC75B) (NM\_207644) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C22orf36 (LRRC75B) (NM_207644) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C22orf36
Synonyms:	C22orf36; FAM211B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219736 representing NM_207644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCGCGGCTGGGCGGGGGCCGGGCCGAGGCTGGCTCTGAGGCCGGGGCGGGCCGGCTGCG  
GGCCCGCGCCCTACGAGCGCCGGGTGCGGTGGCTCCGCGAGATCCAGTCCACGCTCCGCGAGCGGGCC  
GGAGCGCGCCCGGAGCTGCTGCGCCTCCTGCGCCAGGACCTGGCCTTGAGAGGACCCTCCTTCTGAT  
ATCCTCTACAGAGATGTGGCCTTCTCAACCCGGTCGACCCCATCTCCATGACCTGCTTGTGAACCTGG  
CCCGGGACCTGCAGTGCCCAAGAAGGACTATGAGCTCTGGAAGTCTCGGACAAGATCTGCCGACAGCT  
CATCTACCACCTACCCCTCACTCGAAGCAGCAGCAAGGGTCCAGCCTGCGCCAGAGGAAGACCCAGAGC  
TGCCCTCAAGAGCAGCCTCCAGAAGACTCTGCTGGCAGGGGAGACTGTGGACCTCTCAGGCATCCCGTGT  
CGACACAGGACGTGCAACACATCACACGCTACCTGAGCAGCCATGGTGTGTGCTGGCGGTGCTGGACCT  
GAGCTTACGGGGCTGAGTGATGAGCTGCTGCACCTCCTGCTGCCAGCCTGTGGGCGTGGCCCGCCTC  
ACCCAGCTCCTGCTCAACGGCAACCGACTGACGCGGGCCACTGCCGCAAGCTCACTGATGCCATCAAGG  
ACACCACCAAGTCCCTGCTTTGGCTTGGGTGGACCTGGGCAACAACGTGGATGTGGCTTCCCTGCCCA  
GCCCTGTGGTGGCTGCGCCGGCGGCTGAGCCAGCGCACCTCACTCCCACCATCTACGAGGGCCTG  
GACCTTGAGCCTGAGGGCAGTGCGGCCGGGGCCACCACCCTGCCTCCACCTGGGACTCCACAGCTGCTG  
GGCTGGGACCCGAGCCCCAGGCTGCTGTGCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC219736 representing NM\_207644  
Red=Cloning site Green=Tags(s)

MGARLGRRAGPEAGSEAGAAAGCGPAPYERRVRWLREIQSTLRERRPERARQLLRLLRQDLGLERTLLPD  
 ILYRDVAFLNPVDPI SHDLLVNLARDLQCPKKDYELWSSDKICRQLIYHLTPHSKQQGSSLRQRKTS  
 CLKSSLQKTLLAGETVDLSGIPLSTQDVQHITRYLSSHGAVLAVLDLSFTGLSDELLHLLPSLWALPRL  
 TQLLLNGNRLTRATARKLTDAIKDTTKFPALAWVDLGNNVDVASLPQPLLVLRRRLSQRTSLPTIYEGL  
 DLEPEGSAAGATTPASTWDSTAAGLGPEPQACCAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8101\\_f05.zip](https://cdn.origene.com/chromatograms/mk8101_f05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_207644

**ORF Size:** 945 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\\_207644.3](#)

**RefSeq Size:** 1240 bp

**RefSeq ORF:** 948 bp

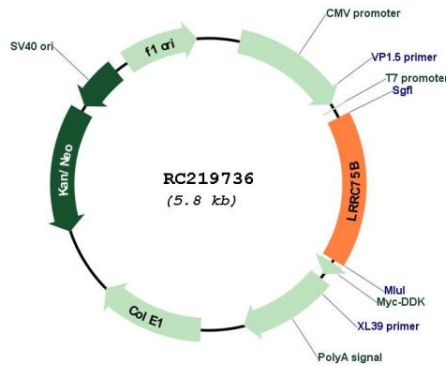
**Locus ID:** 388886

**UniProt ID:** [Q2VPJ9](#)

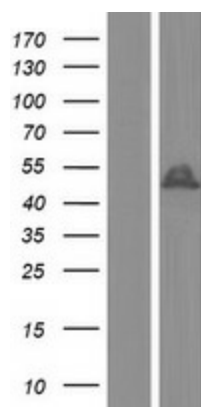
**Cytogenetics:** 22q11.23

**MW:** 34.7 kDa

**Product images:**



Circular map for RC219736



Western blot validation of overexpression lysate (Cat# [LY403931]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219736 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).