

Product datasheet for RC233712

C6orf134 (ATAT1) (NM_001254952) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C6orf134 (ATAT1) (NM_001254952) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C6orf134
Synonyms: alpha-TAT; alpha-TAT1; C6orf134; MEC17; Nbla00487; TAT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233712 representing NM_001254952
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTCCTCGATGTGGACGCGCTGTTCCCGAGCGGATCACGGTCTGGACCAGCACCTGAGGC
CCCCAGCCCGCCGACCCGGAACCAACGCCGGCCGTTGATCTACAGCAGCAAATTATGACCATTAT
AGATGAACTGGCAAGGCTTCTGCCAAGGCCAGAATCTTCCGCTCTACTAGTGCATCAAGGATG
CAGAGTAACCGCCATGTTGTTTATATTCTCAAAGACAGTTCAGCCCGACCGGCTGAAAAAGGAGCCATTA
TTGGTTTCATCAAAGTTGGATAACAAGAAGCTCTTGTACTGGATGATCGTGAGGCTCATAATGAGGTAGA
ACCACTTTGCATCCTGGACTTTTACATCCATGAGTCTGTGCAACGCCATGGCCATGGGCGAGAAGCTTTC
CAGTATATGTTGAGAAGGAGCGAGTGGAAACCGCACCAACTGGCAATTGACCGACCTCACAGAAGCTGC
TGAAATTCCTGAATAAGCACTACAATCTGGAGACCACAGTCCCACAGGTGAACAACCTTTGTGATCTTTGA
AGGCTTCTTTGCCATCAACATCCTCCAGCAAGGAAGCTGCCACCAAGAGAGCAGAGGGAGACATCAAG
CCATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAGCTGTGGAGCCTCCTTGGCCCTAAACAGGGCCC
CTCGCCGCGCCACACCTCCAGCCACCCACCCCGCTCCAGCAGCCTGGGAAACTCACCAGAACGAGG
TCCCTCCGCCCTTTGTGCCAGAGCAGGAGCTGCTGCGTTCCTTGCCTCTGCCCCACACCCCTACC
GCCCGCCTTCTGTTGGCTGCTGACCCCTGGGGCAGCCAGCTCAACGTCGTCGACCAGCTCCCTCCCC
GCTCTGAGGAGAGTCGATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233712 representing NM_001254952
 Red=Cloning site Green=Tags(s)

MEFPFDVDALFPERITVLDQHLRPPARRPGTTTPARVDLQQQIMTIIDELGKASAKAQNLSAPITSASRM
 QSNRHVVYILKDSSARPAGKGAIGFIKVGKLLFVLDDREAHNEVEPLCILDYIHEVQRHGHGRELF
 QYMLQKERVEPHQLAIDRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHPARKLPPKRAEGDIK
 PYSSSDREFLKVAVEPPWPLNRAPRRATPPAHPPRSSLGNSPERGPLRPFVPEQELLRSLRCLPPHPT
 ARLLLAADPGGSPAQRRTSSLRSEESRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001254952

ORF Size: 930 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_001254952.3](#)

RefSeq Size: 2098 bp

RefSeq ORF: 933 bp

Locus ID: 79969

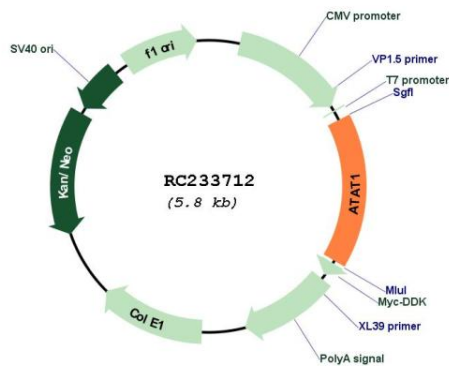
UniProt ID: [Q5SQI0](#)

Cytogenetics: 6p21.33

MW: 35.6 kDa

Gene Summary: This gene encodes a protein that localizes to clathrin-coated pits, where it acetylates alpha tubulin on lysine 40. This process may be important in microtubule growth, for instance during chemotaxis and the formation of cilium. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RC233712