

Product datasheet for **RG206309**

C6orf206 (RSPH9) (NM_152732) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C6orf206
Synonyms:	C6orf206; CILD12; MRPS18AL1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206309 representing NM_152732
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACGCCGACAGCCTCTGCTGTCTCTGGAGCTGGCGTCCGGCAGTGGGCAGGGCCTCAGCCCGGACC
GTCGGGCCTCGCTGCTCACGTCTTATGCTGGTTAAGCGCGACTACCGCTATGATCGGGTTCTCTTCTG
GGGCCGCATCCTTGGCCTCGTCGCCGATTACTACATCGCGCAGGGCCTGAGTGAGGACAGCTCGCACCG
CGCAAGACGCTCTATAGCCTGAAGTGCACAGAGTGGAGCCTCTTGCCCTGCCACAGAGGAGATGGTGG
CGCAGTCGTCTGTGGTGAAGGGCCGCTTCATGGGGGACCCATCATACGAATATGAACACACTGAGCTGCA
GAAGGTGAATGAAGGTGAAAAAGTCTTTGAAGAAGAAATAGTGGTCCAGATCAAGGAAGAGACCCGCTTG
GTGTCTGTCAATTGACCAGATTGACAAGGCTGTGGCCATCATCCCCGAGGCGCCCTTTCAAGACCCCTT
TTGGACCCACCATGTCAATCGGACCTTTGAAGGACTGTCTTGTCTGAGGCCAAGAAGCTCAGCTCCTA
CTTCCATTTTCAGGGAGCCTGTTGAGCTAAAGAATAAGACCTTGCTTGAGAAGGCTGACCTGGACCCCTCC
CTGGATTTTCATGGAATCCTTGGAGCATGACATCCCAAAGGGTCTGGAGCATCCAGATGGAGAGGGGCA
ATGCCCTGGTGGTGTGCGCAGCCTGCTCTGGCCGGGCCTCACCTTCTACCATGCTCCCGCACCAAGAA
CTATGGCTACGTCTACGTGGCACTGGCGAGAAGAATGGACTTGCCCTTCATGCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



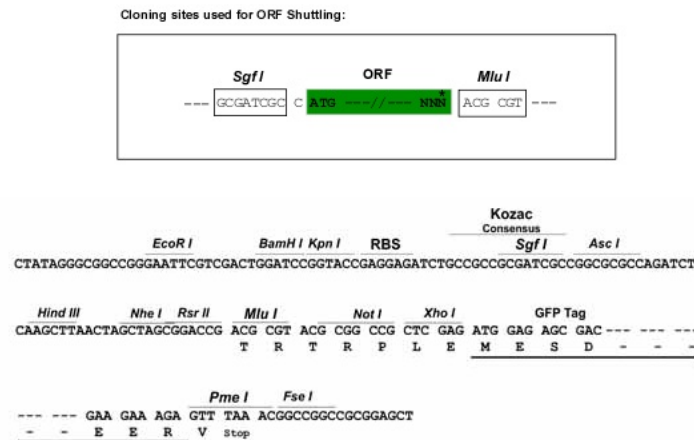
Protein Sequence: >RG206309 representing NM_152732
Red=Cloning site Green=Tags(s)

MDADSLLLSLELASGSGQGLSPDRRASLLTSLMLVKRDYRYDRVLFWGRILGLVADYYIAQGLSEDQLAP
RKTLYSLNCTEWSLLPPATEEMVAQSSVVKGRFMGDPSEYEHEHELQKVNEGEKVFEIEIVVQIKEETRL
VSVIDQIDKAVAIIPRGALFKTPFGPTHVNRTFEGLSLSEAKLSSYFHFREPVELKNKTLLEKADLDP
LDFMDSLEHDIPKGSWSIQMERGNALVVLRSLLWPGLTFYHAPRTKNYGVVYVGTGEKNMDLPFML

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152732

ORF Size: 828 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_152732.5](#)

RefSeq Size: 931 bp

RefSeq ORF: 831 bp

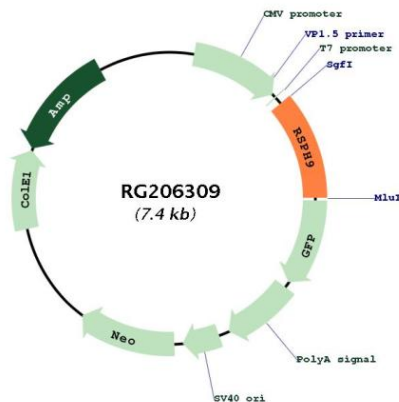
Locus ID: 221421

UniProt ID: [Q9HIX1](#)

Cytogenetics: 6p21.1

Gene Summary: This gene encodes a protein thought to be a component of the radial spoke head in motile cilia and flagella. Mutations in this gene are associated with primary ciliary dyskinesia 12. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010]

Product images:



Circular map for RG206309