

Product datasheet for **RG218276**

JHY (NM_199124) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	JHY
Synonyms:	C11orf63
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218276 representing NM_199124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTAAACGTAACTAATCCCAAGCTCTCTATTCAATCTCCTGTCCTTCATACCAACTTAAATGTCC
AGTCCACACACCCACCTTTGAAGAAAGAAGACTTACATCGGATTTCAAAAGACTCCTTGGAATCTGATTC
AGAAAGCCTCAGCAAGAGATTATGTGCCATTCTGAGTTTGATGATCGAATCCGGGGCAACGGTATGGAG
CCCGACAGCTTAGACGAGGAGGAAAGCCCTCGATGGGAAGCCTGCACGAGATGGAAGAGGAAGCAAGTG
GAAAAGCAGCTCAGATGGCTCGCGAGCAAAACCAACCATACCTGGGACCAGGGCGCCAATAACAGGCAACA
ACCAATAGAAGACAAATATTCAGACCTCCGCTATGACCCGAAGTGAAGAGTAAGAAGGAGGAAGGGCAG
CTGCTGTCTGTGAAGCGTTGCCGGAGTCCACGGACAGCTCTTAGAAAATCTGCCTTTGGCTCCCTCT
ACCCTTCCCAGGAGACGTCAATGGAAGTCTCCGGGGGAAAGGCGAGCAGAAAGAGAGTCCACAGAGTGC
AGCTTCTTTACTTGGTAGTGAATTTTAAAGCCCAAACTATGAGCATGGTGCCCGTCGAGCAAGCCGTTT
TCAGAGCTGAGCGACAGTGACCTGGAGGAGAAGTCGAGCAGCCTTCTCCGTACGTGAAGAGCTCAAGTT
CACATAACGAGGTTTTCTGCCGGGATCACGTGGCCCTCGGCGAAGGAAATCCAACAACATTTTGTGGA
AAAAACAAGCTCACTTTGGGATTACCCACCCGAAACGGACTCTTATCTTCAACTTCACAATAAAAA
AGAGGGGAATCTCATCCAGAACAGGTCAATTTGAGAGTAAATCTCTCCACGTGATGGATTCAAACCT
TTTGAGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG218276 representing NM_199124
 Red=Cloning site Green=Tags(s)

MSKRKLIPKLSIQSPVLHTNLNVQSTHPPLKKEDLHRISKDSLESSESLTQEIMCHSEFDDRIRGNGME
 PDSLDEEESPRWGLHEMEEEEASGKAAQMAREQNHHTWDQGANNRQQPIEDKYSIDLRYDPNWKSKKEEGQ
 LLSVEALPESTDSSLENLPLAPLYPSQETSMELSGGKGEQKESQSAASLLGSEFLSPNYEHGARRSKPF
 SELSDSDLEEKSSSLSPYVKSSSSHNEVFLPGSRGPRRRKSKQHFVEKNKLTGLPTPKTDSYQLHNNKK
 RGEHPPEQVILRVNSLPRDGFKTFWSQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199124

ORF Size: 921 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_199124.2](#), [NP_954575.1](#)

RefSeq Size: 1865 bp

RefSeq ORF: 924 bp

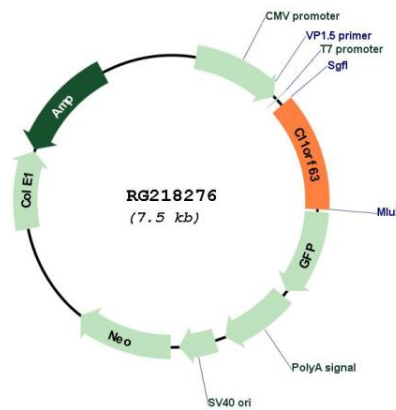
Locus ID: 79864

UniProt ID: [Q6NUN7](#)

Cytogenetics: 11q24.1

Gene Summary: Required for the normal development of cilia in brain ependymal cells lining the ventricular surfaces.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218276