

Product datasheet for **RG209786**

JHY (NM_024806) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JHY (NM_024806) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JHY
Synonyms:	C11orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209786 representing NM_024806
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAAACGTAACAACTAATCCCAAGCTCTCTATTCAATCTCCTGTCTTCATACCAACTTAAATGTCC
 AGTCCACACACCCACCTTTGAAGAAAGAAGACTTACATCGGATTTCAAAAGACTCCTTGGAACTGATTC
 AGAAAGCCTCACGCAAGAGATTATGTGCCATTCTGAGTTTGATGATCGAATCCGGGGCAACGGTATGGAG
 CCCGACAGCTTAGACGAGGAGGAAAGCCCTCGATGGGGAAGCCTGCACGAGATGGAAGAGGAAGCAAGTG
 GAAAAGCAGCTCAGATGGCTCGCGAGCAAAACCACCATACCTGGGACCAGGGCGCCAATAACAGGCAACA
 ACCAATAGAAGACAAATATTCAGACCTCCGCTATGACCCGAAGTGAAGAGTAAGAAGGAGGAAGGGCAG
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 AGCTTCTTTACTTGGTAGTGAATTTTTAAGCCAAACTATGAGCATGGTGCCTCGCAGCAAGCCGTTT
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 CACATAACGAGGTTTTCTGCCGGGATCACGTGGCCCTCGGCGAAGGAAATCCAAACAACATTTTGTGGA
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 ATGGATTTGAACAACCTTAATGAACTTTCTAAGAGACAGTGCTCCTGAGCCAGAAAGGCTCTCAGTTTG
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 GTGAAGGGGCCTTATCCAGCGTCACGCTTCCACCTATACTGTCAAGGGTAGAAAGTGAATCCCAACTCAG
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 AAGTTTACCTGAAATCTCACTGCTGAAAATACTGCAGAACAGACACGAAAGGGAAAAACAGGCTGTGGCT
 GCTTTCAAAGTCCTTCACATCGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209786 representing NM_024806
Red=Cloning site Green=Tags(s)

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MSKRKLIPKLSIQSPVLHTNLNVQSTHPPLKKEDLHRISKDSLESSESLTQEIMCHSEFDDRRIRNGME
PDSLDEEESPRWGSLHEMEEAASGKAAQMAREQNHHTWDQGANRQPIEDKYSDLRYDPNWKSKKEEGQ
LLSVEALPESTDSSLENLPLAPLYPSQETSMELSGGKGEQKESPOQSAASLLGSEFLSPNYEHGARRSKPF
SELSDSLDLEEKSSSLSPYVKSSSSHNEVFLPGSRGPRRRKSKQHFVEKNKLTGLPTPKTDSYQLHNNK
RGESHPEQISYPVRVTDKTSIQNAKEMENAAIDPEDKWHQRAQQLKNYQEHWSQYESTKSSNVPRGQPSD
MVNDHQPSRRPAKLIKIRKQCKHQGLKSSSTTEEVASQGNQNNPPRQQNQNKPLDSTKPEISIVIMHAS
NNDVQASRALRSHNLKETSNTFAPPKQAFDKVLSKNSTGCDSGLNVNKERGHKQDEEKRFYQQLHTLSD
MDLNNLNELSKRHVLLSQKGSQFVYHINTHGSTKNKKQLKQPYTETKYRNLEMLWKFHSSSDSQTVRASP
DSWL TQIMEQHQQALVQLTDVQPSEGALSSVTLPPILSRVESESQSSERSQRNQVKISRSNSEGYLFQL
EKGKHKHKKRSSKNTKLGKYGKRDVKLGGGPDFESIRDKTQKL IQQKEYAKQVKEYNMKTL SILSKPQT
EKTQKSAIPRQKALEYAKTIPKPKPSNLTHQASKEQKNPTYAGKEESLPEISLLEILQNRHEREKQAVA
AFKVLHIV
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024806

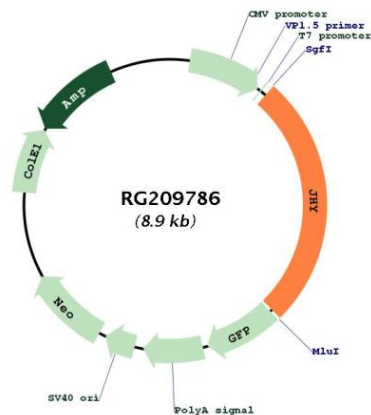
ORF Size: 2334 bp

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:	<ol style="list-style-type: none">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_024806.4
RefSeq Size:	2929 bp
RefSeq ORF:	2337 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 RG209786