

Product datasheet for **RG221805**

C3orf32 (SSUH2) (NM_015931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3orf32 (SSUH2) (NM_015931) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C3orf32
Synonyms:	C3orf32; fls485; SSU-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221805 representing NM_015931 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTCCCAGTTGGACTGCTGAGGGCTTTACCACTACCGTGGCCTCAGTTTCTCGCTGCACGTTGA
GGAGGCTGGCTGGCCCGCTGAGTCCACAGGCCCTTCCAGAAGCCCCGCCTCTCTGTTGCGTCCCCTG
CAGAGTCCCTGCGATGACGGAGGAGGTGGCCCGGAAGCCCTCCTCAGCTTTGTGGACTCTAAGTGCTGC
TACAGCAGCACGGTGGCTGGAGACCTCGTCATCCAGGAGCTGAAGCGGCAGACCCCTGCAGGTACCGTC
TGGAGACCTTTAGTGAATCCAGGATAAGCGAGTGGACATTTCAACCCTTTACTAACCACTCTGTGGATGG
GCCGCAAAGAGGCGCCTCCCCAGGCTCTGGGACATCAAGGTTCAAGGTCCTCCGATGTTTCAGGAAGAC
ACCAGGAAGTTCCAGGTCCCTCACTCGTCACTGGTCAAGGAATGCCACAAATGCCATGGGCGTGGGCGGT
ACAAGTGACGCGGCTGCCACGGGGCGGGCACGGTGCAGTGGCCATCCTGCTGCGGAGCCAAGCGCAAAGC
CAAGCAGTCCCGGAGATGTCAGCTGTGCGCGGGTCCGGCAGGCGAAGATGCAGCACTTGCTCAGGGAGA
GGGAACAAGACCTGCGCCACCTGCAAGGGGAGAAGAAGTGTGCACTTCATCCAGCTTGTCATCATGT
GGAAGAACAGCTTGTGTTGAGTTGTGCTGAGCACCGGCTCAACTGCCCCAGGGAGCTCCTTGCTAAAGC
CAAAGGAGAAAACTCTTTAAGGATGAAACTCGGTGGTGTACCCATCGTGGACTTCCCTCTGCGAGAC
ATCTCTTGGCTCCAGAGGGGATTGCAGAGCACAGCGTGCCTTGGCTCCCGTCCCGCGTCCCTGC
AGCAGCGCCAGACATTGAGCTGATCCCCCTCACAGAAGTTCACTATTGGTACCAAGGAAGACTTATGT
CTACTACATCTATGGCACTGACCACCAGGTGTATGCGGTGGACTATCCTGAGCGGTATTGCTGTGGCTGT
ACCATCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221805 representing NM_015931
 Red=Cloning site Green=Tags(s)

MPSPVGLLRALPLWPQFLACTLRRLAGPRESTGPSQKPPPLCSVPCRPAMTEEVAREALLSFVDSKCC
 YSSTVAGDLVIQELKRQTLCRYRLETFSESRISEWTFQPFTNHSVDGPQRGASPRLWDIKVQGPPMFQED
 TRKFQVPHSSLVKECHKCHGRGRYKCSGCHGAGTVRCPSCCGAKRKAKQSRRCQLCAGSGRRRCSTCSGR
 GNKTCATCKGEKKLLHF IQLVIMWKNSLFEFVSEHRLNCPRELLAKAKGENLFKDENSVVYPIVDFPLRD
 ISLASQRGIAEHSAAALASRARVLQQRQTIELIPLTEVHYWYQGKTYVYYIYGTDHQVYAVDYPERYCCGC
 TIV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015931

ORF Size: 1059 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_015931.3](#)

RefSeq Size: 1545 bp

RefSeq ORF: 1062 bp

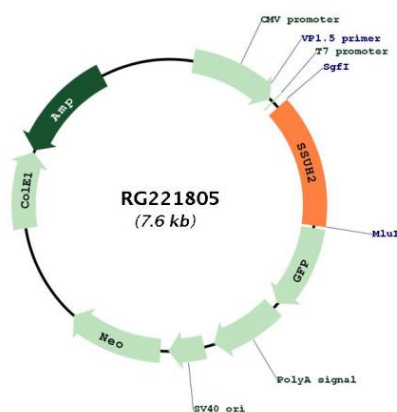
Locus ID: 51066

UniProt ID: [Q9Y2M2](#)

Cytogenetics: 3p25.3

Gene Summary: Plays a role in odontogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221805