

Product datasheet for **RG215991**

CCDC91 (NM_018318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC91 (NM_018318) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC91
Synonyms:	HSD8; p56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215991 representing NM_018318 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGATGATGATTTTGGTGGTTTTGAGGCTGCGGAGACTTTTGATGGTGAAGTGGTAAACCCAAA
CAACATCTCCTGCTATTCCTTGGGCTGCCTTTCCTGCAGTATCTGGAGTCCATCTTCCACCATCTTCTCC
TGAGATTGACTGGACCGTGACCACTCTTCTCCATTGGCTGCCTCTTCTGATGCCATTATTTCAATCA
CCAGAGAATACACATGCAGCAAAATAGCATTGTGAGTCAAATTTCCAAAAGCACAGATTCAGCAATCAA
CACACACTCATCTGGATATCTCACTTTTTCCATTGGGTTAACTGATGAAAAAGTAATGGAACAATTGC
CCTTGTGGATGATCTGAGGATCCTGGAGCCAATGTATCTAACATACAGCTTCAGCAAAAAATTTCAAGT
CTGGAGATTAAGTCAAAGTATCTGAAGAAGAAAAACAGAGAATTAACAGGATGTGGAATCATTGATGG
AAAAGCATAATGTCTTAGAAAAAGGCTTCTAAAAGAAAAAGAGCAAGAGGCCATTTCTTTTCAAGATAG
ATACAAAAGAACTTCAGGAAAAACATAAAACAAGAAATGGAAGACATGAGGAAAGCTGGTCACGAAGCCCTC
AGCATTATTGTGGATGAATATAAGGCACTACTGCAGTCTTCAGTTAAGCAACAAGTAGAAGCTATTGAAA
AACAGTACATTTCTGCAATTGAGAAACAGGCACACAAGTGTGAGGAGTTGCTAAATGCTCAGCATCAGAG
GCTCCTTGAAATGCTAGATACAGAGAAGGAACTGTTAAAAGAAAAATAAAGGAAGCTTTGATTCAGCAA
TCTCAAGAACAGAAAGAAATATTGAAAAGTGTGGAGGAAGAAAGGCAAGAAATAAAGAGGCATTAG
TATCCGCTGCAAAGCTTGAAAAAGAAGCAGTGAAGGATGCAGTTTTAAAAGTCGTAGAAGAAGAAAGAAA
AAATTTAGAAAAAGCGCATGCTGAAGAAAGGAAATTAAGAAAGACAGAACATGCAAAAGATCAAGAAAA
GTATCTCAGGAAATTCAAAAAGCTATACAAGAACAAGAAAAATAAGTCAGGAACTGTTAAGGCAGCAA
TAATAGAAGAGCAGAAACGAAGTAAAAGGCTGTGGAAGAGGCAGTAAAAGAACAAGAGATGAATTGAT
AGAGTATATAAAAGAACAAGAAAGGCTCGATCAAGTCATCCGCCAAAGAAGCCTGTCCAGTTTGAAGTGA
TTCCTCTCTGTGCACAGAAACAGTTAAGTGCTTAATAGCTACGGAACCAAGTTGACATTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG215991 representing NM_018318
 Red=Cloning site Green=Tags(s)

MDDDDFGGFEEAETFDGGSGETQTTSPAIPWAAFPAVSGVHLSPESSPEIVLDRDHSSSIGCLSSDAIIS
 PENTHAANSIVSQTIKPAQIQQSTHTHLDISLFLGLTDEKSNGTIALVDDSEDPGANVSNIQLOQKISS
 LEIKLVSEEEKQRIKQDVEESLMEKHNVLEKGLKEKEQEAI SFQDRYKELQEKHKQELEDMRKAGHEAL
 SIIVDEYKALLQSSVKQQVEAIEKQYISAIEKQAHKCEELLNAQHQRLLLEMLDTEKELLKEIKEALIQQ
 SQEQKEILEKCLEEERQRNKEALVSAAKLEKEAVKDAVLKVVVEERKNLEKAHAEEERELWKTEHAKDQEK
 VSQEIQKAIQEQRKISQETVKAIIIEEQKRSEKAVEEAVKTRDELIEYIKEQKRLDQVIRQRSLSLEL
 FLSCAQKQLSALIATEPVDIE

TRTRPLE - GFP Tag - V

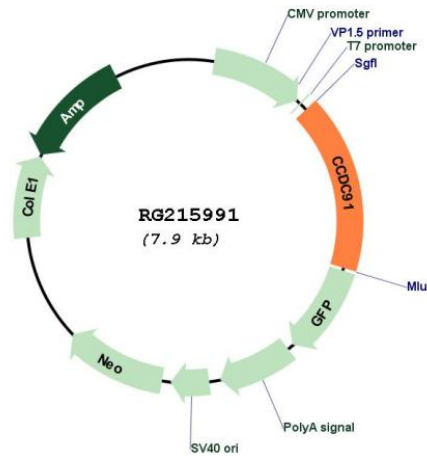
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_018318

ORF Size:	1323 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_018318.5
RefSeq Size:	2352 bp
RefSeq ORF:	1326 bp
Locus ID:	55297
UniProt ID:	Q7Z6B0
Cytogenetics:	12p11.22
Gene Summary:	Involved in the regulation of membrane traffic through the trans-Golgi network (TGN). Functions in close cooperation with the GGAs in the sorting of hydrolases to lysosomes. [UniProtKB/Swiss-Prot Function]