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Product datasheet for RG213656

SETD6 (NM_024860) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SETD6 (NM_024860) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SETD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213656 representing NM_024860
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGACCCAGGCGAAGCGTCCACGGGTGGCGGGGCCCGTGGACGGCGGCGACCTGGATCCTGTGGCCT
GCTTCCTGAGCTGGTGCCGGCGGGTGGGGCTGGAGCTGAGTCCCAAGGTGGCGGTCAGCCGGCAGGGCAC
GGTGGCCGGCTACGGCATGGTGGCCCGGGAGAGCGTGCAGGCCGGAGAGCTGCTGTTCGTGGTGCCGCGG
GCCGCGCTCCTGTCGCAGCACACCTGCTCCATCGGCGGCCTGCTGGAGCGAGAGCGAGTTGCGCTGCAGG
GCCAGTCGGGCTGGGTGCCACTGCTGCTGGCGCTGCTCCACGAGCTGCAGGCCCCGGCCTCACGCTGGAG
GCCCTACTTTGCGCTCTGGCCCGAGCTGGGCCGCTTGGAGCACCCGATGTTCTGGCCAGAGGAGGAGCGC
CGGTGCCTGCTCCAGGGCACAGGCGTACCTGAGGCCGTGGAGAAGGATTTGGCCAACATCCGCAGCGAGT
ACCAGTCCATCGTGCTGCCCTTCATGGAAGCCCACCCCGATCTCTTCAGCCTCAGGGTTCGCTCCCTAGA
ACTCTACCACCAGCTGGTGGCCCTTGTGATGGCCTATAGCTTTCAGGTACCACTGGAGGAAGAAGAGGAT
GAAAAGGAGCCCAACTCCCCCGTGATGGTGCCTGCTGCAGACATACTAAACCACTTAGCCAATCACAACG
CCAATCTAGAATACTCTGCGAATTGTCTTCGGATGGTAGCCACTCAGCCCATTCCTAAAGGCCATGAGAT
TTTCAACACTTATGGGCAAATGGCTAACTGGCAACTGATTCATATGTACGGTTTTGTTGAACCATATCCT
GACAACACAGATGACACAGCTGACATTCAGATGGTGACAGTTCGTGAGGCAGCATTACAGGGAACAAAAA
CTGAAGCTGAAAGGCACCTAGTGTACGAGCGCTGGGATTTCCTATGCAAACTGGAGATGGTAGGGGAAGA
GGGAGCCTTTGTGATAGGGAGGGAGGAGGTGCTGACTGAAGAGGAGCTGACCACCACACTAAAGGTACTG
TGCATGCCTGCTGAGGAGTTCAGAGAGCTTAAAGACCAGGATGGAGGGGGAGATGATAAAAGGGAAGAGG
GCAGCCTGACGATCACAAATATTCCCAAGCTCAAAGCATCGTGGAGACAGCTGCTTCAAAACAGTGTTCT
ACTGACTTTGCAGACCTATGCCACAGACTTAAAAACTGACCAAGGTTTACTCAGTAATAAGGAAGTCTAT
GCGAAACTCAGCTGGAGGGAACAGCAAGCCTTACAGGTTCGCTATGGTCAGAAGATGATCTTACATCAGT
TGTTGGAACTGACAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

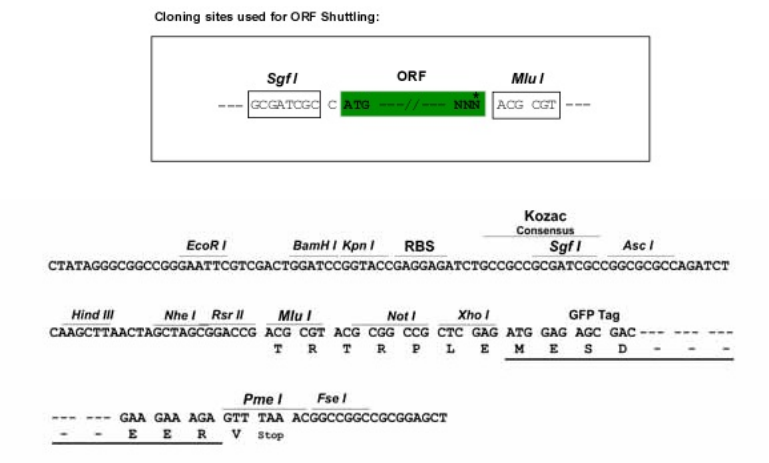
>RG213656 representing NM_024860
Red=Cloning site Green=Tags(s)

MATQAKRPRVAGPVDGGDLDPVACFLSWCRRVGLELSPKVAVSRQGTVAGYGMVARESVQAGELLFVVPR
AALLSQHTCSIGGLLERERVALQGQSGWVPLLLALLHELQAPASRWRPYFALWPELGRLEHPMFWPEEER
RCLLQGTGVPEAVEKDLANIRSEYQSIVLPFMEAHPDLFSLRVRSLELYHQLVALVMAYSFQVPLEEEED
EKEPNSPVMVPAADILNHLANHNANLEYSANCLRMVATQPIPKGHEIFNTYGQMANWQLIHMYGFVEPYP
DNTDDTADIQMVTVREAALQGTKTEAERHLVYERWDFLCKLEMVGEEGAFVIGREEVLTEEELTTTLKVL
CMPAEEFRELKDQDGGGDDKREEGSLTITNIPKLKASWRQLLQNSVLLTLQTYATDLKTDQGLLSNKEVY
AKLSWREQQALQVRYGQKMILHQLLELTS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024860

ORF Size: 1347 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_024860.1, NP_079136.1

RefSeq Size: 1999 bp

RefSeq ORF: 1350 bp

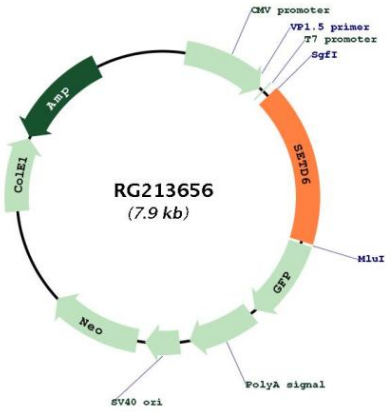
Locus ID: 79918

UniProt ID: Q8TBK2

Cytogenetics: 16q21

Gene Summary: This gene encodes a methyltransferase that adds a methyl group to the histone H2AZ, which is involved in nuclear receptor-dependent transcription. The protein also interacts with several endogenous proteins which are involved in nuclear hormone receptor signaling. A related pseudogene is located on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG213656