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Product datasheet for RG208956

DUSP15 (NM_001012644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP15 (NM_001012644) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DUSP15
Synonyms:	C20orf57; VHY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG208956 representing NM_001012644
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAATGGCATGACCAAGGTACTTCCTGGACTCTACCTCGGAAACTTCATTGATGCCAAAGACCTGG
ATCAGCTGGGCCGAAATAAGATCACACACATCATCTCTATCCATGAGTCACCCCAGCCTCTGCTGCAGGA
TATCACCTACCTTCGCATCCCGGTCGCTGATACCCCTGAGGTACCCATCAAAAAGCACTTCAAAGAATGT
ATCAACTTCATCCACTGCTGCCGCCTTAATGGGGGGAACTGCCTTGTGCACTGCTTTGCAGGCATCTCTC
GCAGCACCACGATTGTGACAGCGTATGTGATGACTGTGACGGGGCTAGGCTGGCGGGACGTGCTTGAAGC
CATCAAGGCCACCAGGCCCATCGCCAACCCCAACCCAGGCTTTAGGCAGCAGCTTGAAGAGTTTGGCTGG
GCCAGTTCCCAGAAGCTTCGCCGGCAGCTGGAGGAGCGCTTCGGCGAGAGCCCCTTCCGCGACGAGGAGG
AGTTGCGCGCGCTGCTGCCGCTGTGCAAGCGCTGCCGGCAGGGCTCCGCGACCTCGGCCTCCTCCGCCGG
GCCGCACTCAGCAGCCTCCGAGGGAACCCTGCAGCGCCTGGTGCCGCGCACGCCCCGGGAAGCCCACCGG
CCGCTGCCGCTGCTGGCGCGCGTCAAGCAGACTTTCTCTTGCCTCCCCCGGTGTCTGTCCCGCAAGGGCG
GCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

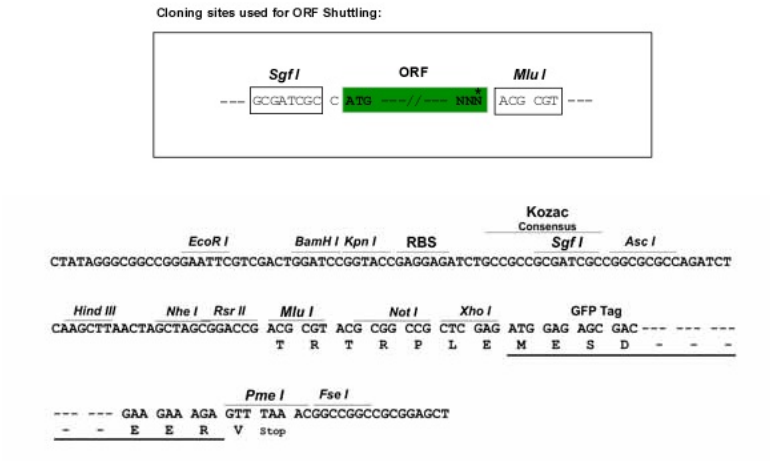
>RG208956 representing NM_001012644
Red=Cloning site Green=Tags(s)

MGNGMTKVLPGLYLGNFIDAKDLDQLGRNKITHIISIHESPQPLLQDITYLRIPVADTPEVPIKKHFKEC
INFIHCCRLNGGNCLVHCFAGISRSTTIVTAYVMTVTGLGWRDVLEAIKATRPIANPNPGFRQQLEEFGW
ASSQKLRRQLEERFGESPFRDEEELRALLPLCKRCRQGSATSASSAGPHSAASEGTLQRLVPRTPREAHR
PLPLLARVKQTFSCLPRCLSRKGGK

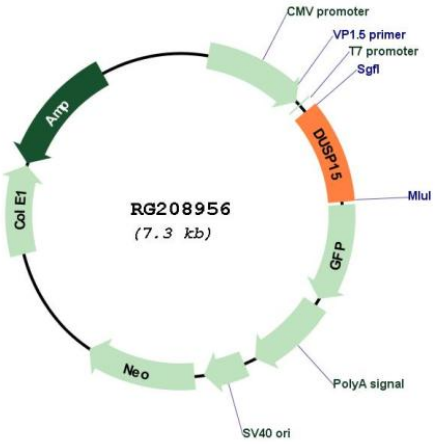
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012644

ORF Size: 396 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_001012644.1, NP_001012662.1
RefSeq Size:	1212 bp
RefSeq ORF:	399 bp
Locus ID:	128853
UniProt ID:	Q9H1R2
Cytogenetics:	20q11.21
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	The protein encoded by this gene has both protein-tyrosine phophatase activity and serine/threonine-specific phosphatase activity, and therefore is known as a dual specificity phosphatase. This protein may function in the differentiation of oligodendrocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]