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Product datasheet for RG207241

ZNF606 (NM_025027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF606
Synonyms:	ZNF328
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG207241 representing NM_025027
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCATCAACCCGTGGGCCTCCTGGGGTGCCCTTACGGACCAATCTTGGGGGATGACAGCTGTTG
ACCCATGGGCCTCCTGGGCTCTGTGTCCTCAGTATCCTGCCTGGCACGTGGAGGGAAGCCTGGAGGAGGG
GAGGAGGGCCACTGGGCTCCCAGCAGCCCAGGTTCAGGAACCAGTGACCTTCAAGGACGTGGCCGTGGAC
TTCACCCAAGAAGAGTGGGGGCAGCTGGACCTTGTTCAGAGGACCCTGTACCGTGATGTGATGCTGGAGA
CCTATGGTCACCTGCTCTCTGTGGGAAATCAGATTGCCAAGCCTGAGGTCATCTCCCTGTTGGAGCAAGG
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GAATTCTTCCCTTATTATTCATCAGAGAATGCATAGTGGAGAGAAACGCTTTATATGCAGTGAATGTGGA
AAAGCCTTTAGTGGTCACTCAGCCCTACTTCAACACCAGAGAAATCACAGTGAAGAGAAACTGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207241 representing NM_025027
Red=Cloning site Green=Tags(s)

MAAINPWASWGALTDQSWGMTAVDPWASWALCPQYPAWHVEGSLEEGRRATGLPAAQVQEPVTFKDVAVD
FTQEEWGQLDLVQRTLYRDVMLETYGHLLSVGNQIAKPEVISLLEQGEEPWSVEQACPQRTCPEWVRNLE
SKALIPAQSIFEEEQSHGMKLERYIWDDPWFSRLEVLGCKDQLEMYHMNQSTAMRQMVFMQKQVLSQRSS
EFCGLGAEFSQNLNFVPSQRVSQIEHFYKPDTHAQSWRCDSAIMYADKVTCENNDYDKTVYQSIQPIYPA
RIQTGDNLFKCTDAVKSFNHIIHFGDHKGIHTGEKLYEYKECHQIFNQSPSFNEHPRLHVGENQYNYKEY
ENIFYFSSFMEHQKIGTVEKAYKYNEWEKVFGYDSFLTQHTSTYTAEKPYDYNECGTSFIWSSYLIQHKK
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THSGAKPYKCTECGKSFSWSSHLIAHQRTHTGEKPYNCQECGKAFRERSALTKHEIIHSGIKPYECNKCG
KSCSQMAHLVRHQRTHTGEKPYECNKCGKSFSQSCHLVAHRRIHTGEKPYKCNQCERSFNCSSHLIAHRR
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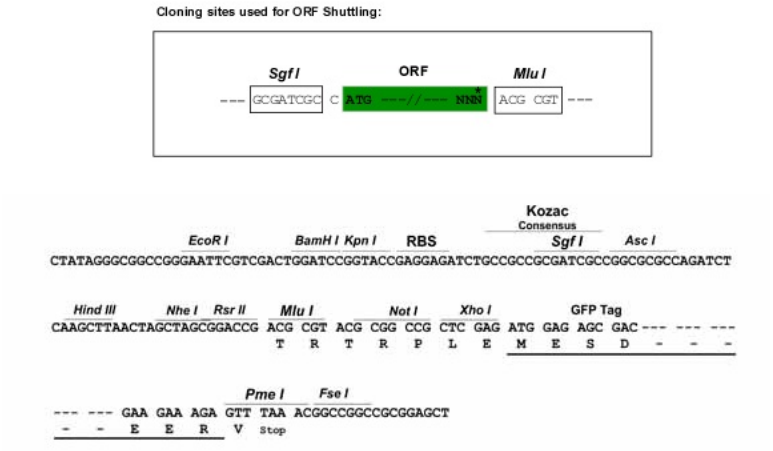
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025027

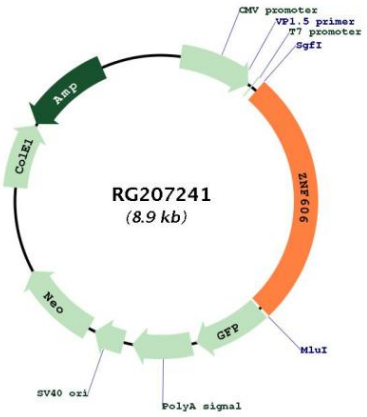
ORF Size: 2376 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_025027.3, NP_079303.2
RefSeq Size:	4239 bp
RefSeq ORF:	2379 bp
Locus ID:	80095
UniProt ID:	Q8WXB4
Cytogenetics:	19q13.43
Domains:	zf-C2H2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a zinc finger protein containing a Kruppel-associated box (KRAB) domain at its N-terminus, followed by contiguous C2H2 zinc finger motifs. The encoded protein is a nuclear protein that can act as a transcriptional repressor of growth factor-mediated signaling pathways in a reporter gene assay. This protein has been shown to interact with the SRY-box 9 gene product, and suppresses its transcriptional activity by inhibiting its DNA binding activity. Reduced expression of this gene promotes chondrocyte differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG207241