

Product datasheet for **RG217456**

INTS1 (NM_001080453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INTS1 (NM_001080453) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	INTS1
Synonyms:	INT1; NDCAGF; NET28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217456 representing NM_001080453 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGATGGGGCCACAGCACCACTGTGAATGGAGAGGCCAGCGCCTGCCCGCGCCGCCGACCCACC
TGGACCGGACCACATGCGCGGGCGCGGCCAGCCCGCTCCCGCCGCCATGGGGCGCTGCAGGCATCAG
GCCGGCGCGGGGCTCTCGCGCTCCTTCTGGGCCGCTCCCGCCGCACTGTTTCTTCCGGTTGT
TCCGGAAGTCGGGTCTCGAGGGCGGTGAGATCGGTTTCCGATTCCGGGTGGCCGGGTGGCGGCGCGG
CGCTCCGCTCGCATGGGCCAGAGGTGACGCCGAGCCCGGGAGCCGCGAGGGACGGGGCAGGATGAA
CCGGGCCAAGCCACCACGGTGCGCCGGCCAGCGCCGCGCCAAACCTCAGGGCACCTCCCCAGGA
GACTTCATTGCTCTGGGCTCAAAGGGTCAGGCCAATGAATCGAAAACGGCGTCCACCCTGCTGAAGCCAG
CCCCTCCGGCTGCCTTCTGAGCGCAAGCGGGATGCGGCGGCCGCGTTGTCCAGTGCCTCGGCCCTCAC
CGGTCTCACAAACGCCCAAACCTCTCTCCACACCCCTCTGAGTGCCCTGGGGCGCTGGCTGAGGCT
GCAGTGGCAGAAAAACGAGCCATTTCTCCGTCGATTAAGAGCCATCTGTGGTGCCAATTGAAGTGTGC
CCACGGTGCTGCTGGATGAGATCGAGGCGGCCGAGCTGGAGGGCAACGATGACAGGATCGAGGGCGTGT
GTGCGGGGCCGTGAAGCAGCTGAAGGTACCCCGGCCAAGCCTGACAGCACCTCTACCTGAGCCTCATG
TACCTGGCCAAGATCAAGCCCAACATCTCGCCACTGAGGCGCTCATTGAGGCTCTGTGTAGCCTCCTGC
GGCGGGACGCTCCATCAACTTCAAGGCCAAGGGGAACAGCCTGGTGTCTGTGCTGGCCTGTAACCTCCT
CATGGCCGCTACGAGGAGGACGAGAACTGGCCCGAGATCTTTGTCAAGGTGTACATCGAGGACTCCCTG
GGGAGCGGATCTGGGTGGACAGCCCTCACTGTAAGACGTTTGTGGACAACATCCAGACGGCCTTCAACA
CCAGAATGCCCCCAGGAGCGTGCTGCTGCAGGGGAGGCGGCCGCGTTGCGGGCGACCTGGGTGCAGG
GAGCAGCCACACCCCTCCCTCACGAGGAGGAGGACAGCCAGACGAGTTGCTGATCGCGGAGGAGAAG
CTGAGCCCCGAGCAGGAGGGCCAGCTATGCCAGGTACGAAGAGCTCGCGGAGAGCGTGGAGGAGTATG
TCCTGGACATGCTGCGGACCACTGAACCGGCCAGCCATCGACAACGTCTCCAGAACCTCCTGCG
GCTCTCACCTCCACCTGCGGTATAAGGAGGTGCGGCTGCTGGCGGTGCAGAAGCTGGAGATGTGGCTG



[View online »](#)

CAGAACCCCAAGCTGACCCGGCCGGCCAGGACCTGCTGATGTCCGTCTGCATGAAGTGAACACGCACG
 GTTCCGAAGACATGGACGTCTCTCACACCTGATCAAGATCCGCCTCAAGCCCAAGGTCCTCTCAACCA
 CTTTCATGCTGTGCATCAGGGAGCTGCTGAGCGCGCACAAGGACAACCTGGGCACCAACCATCAAGTTGGTG
 ATCTTCAATGAGCTCTCCAGCGCCCGGAACCCGAACAACATGCAGGTCTCTATACCGCACTGCAGCACA
 GCTCAGAGCTGGCGCCCAAGTTCTGGCCATGGTGTCCAGGACCTGCTGACCAACAAGGACGACTACCT
 GCGGGCCTCGCGGGCCCTGCTGCGGGAGATCATCAAGCAGACCAAGCACGAGATCAACTTCCAGGCTTC
 TGCTTGGGGCTCATGAGGAGCGCAAGGAGCCGAGTACCTGGAGATGGAGTTCAAGGAGCGCTTCGTGG
 TGACATCACCAGCGTCTGGCCGTGTCCATGATGCTGGGCATCACAGCGCAGGTGAAGGAGGCCGCGCAT
 CGCCTGGGACAAAGGAGAAAAGAGGAACCTGGAAGTGTCCGCTCATTCCAGAACCAGATTGCCGCCATC
 CAGCGGGATGCCGTCTGGTGGCTCCACACTGTGGTCCCCTCCATCAGCAAGCTCGCCCTAAGGACTACG
 TGCACTGCCTGCACAAGGTGCTGTTACAGAGCAGCCGGAGACCTACTACAAGTGGGACAACCTGGCCACC
 CGAGAGTGACCGCAACTTCTTCTGCGTCTGTGCTCCGAGGTGCCATTTTGGAGGACACGCTGATGCGC
 ATCCTGGTCATCGGGCTGTCCCGGAGCTCCCGCTCGGGCTGCGGACGCCATGGAGCTTGCTGACCACC
 TGGTGAAGCGGGCGGCTGCCGTGACGGCGGATGATGTGGAGGTGCTGAAGTGGGGAGGACCCAGCTGAT
 CGACGCCGTTCTGAATCTGTGCACCTACCATCACCTGAAAACATCCAGCTCCACCGGGGTACCAGCCT
 CCGAACCTCGCCATCTCTACCCTCTACTGGAAGGCCTGGCCCTCCTGCTGGTCTGCGCCGATTCAACC
 CAGAGAACATCGCCCTGGCTGCGTGGGAGGAGTACCCGACCTGAAGATGCTCATGGAGATGGTGTGAC
 CAACAATACTCTACCCACCGTGCACCTGACGGATGAGGAGACCCGGACGGAGATGCTGAACCGTGAG
 CTGCAGACCGCCAGCGGGAGAAGCAGGAGATCCTGGCCTTCGAGGGGCACCTGGCGGCCGCTCCACCA
 AGCAGACCATCACTGAGAGCAGCAGCCTCTCTGTGCGAGCTCACCAGCTGGACCCCAAGTACGACG
 CCACACAGCCCGCCCTGCGCCTGCCGTGCGGACCTGGGGCCCCCGGAGGCTCCCCCTCACATCCTG
 GATCAAGTGAAGGCTCAACCAGTCCCTCCGCTCGGGACCTCTTGCGCGACGCCGAACCCCTGACT
 TTCTCTCCACATCATCCAGCGCAGGCTCTCTGCAGTCCATGCCCTGGCTGGCGGACCTGGTACAGTC
 CAGCGAGGGCTCCCTGGACGTGCTGCCGTGCAAGTGTCTGTGCGAGTTCTGCTGCAGATGCTGTGGAC
 GATGCTGCTTCCGGGGAGGAGGACGACGAGGGCGAGAGCAAGGAGCAGAAGGCCAAGAAGCGGCAGAGGC
 AACAGAAGCAGCGGCAGCTGCTGGGCGCCTGCAGGACCTGCTACTGGGCCCAGAGGCTGATGAGCAGAC
 CACGTGTGAGGTGCTGGACTACTTCTGCGGCGCCTCGGCTCTCCAGGTGGCTCCCGCTGCTGGCC
 ATGAAGGGTGAGACCCTGCCTGCACTGCCGAAAGCGGCCAGCTCATGAGTGTCTGCCACAGGGTTTGT
 CGCTGGTGTCTTCGAGGGCAGCCTGCGGGACGGGAGGAGAAGGAGCCCCCATGGAGGAGGATGTGGG
 GGACACAGATGTCTGCAGGGCTATCAGTGGCTGCTGCGGACCTGCCTCGCTGCCTCTGTTGACAGC
 GTCAGGAGCACCACAGCCCTGGCCCTGCAGCAGGCAATCCACATGGAGACTGATCCCAGACCATCAGCG
 CCTACCTGATCTACTTGTCCAGCACACGCTGTGGAGGAGCAGGCCAGCACAGCGACCTGGCCCTGGA
 CGTGGCCCGGCTGGTGTGGAGCGCTCCACCATCATGTCCACCTCTTCTCGAAGCTCTCCCGAGTGCC
 GCGTGGACGCGCTGCTGAGCGCTCTGTTGTCCATCTTCTCACGCTACGTGAGGCGCATGCGGCAGAGCA
 AGGAGGGCGAGGAGGTCTACAGCTGGTGGAGTCTCAGGACCAAGTCTTCTACGCTGGAGCAGCGGGGA
 GACAGCCACCATGCACATCTCGTGGTCCATGCCATGGTATCCTGCTGACGCTGGGCGCCCTCGAGCC
 GACGACAGCGAGTTCAGGCGCTGCTGGACATCTGTTTCCGGAGGAGAAGCCACTGCCACCGCCTTCC
 TGGTGGACACATCGGAGGAGCGCTGCTGCTTCTGACTGGTGAAGCTGCGCATGATCCGTTCTGAGGT
 GCTCCGCTGGTGGACGCGCCCTGCAGGACCTGGAGCCGACGAGCTGCTGTTCTGTCAGATCGTTT
 GGATCCCCGTGTCCAGCATGAGCAAACTCCTCCAGTTCTGGACAGGAGTGGCCACGACCCCCAGA
 CTCTGGAGCAGAACATCATGGACAAGAGTAAGATGCCAGGGACCTGCGGAGTGGGTTACACACGCTGAC
 CGAGCCCCAGCCCGGCCAGGCTTTTGGGCTGGGTGCGAGCGGGTGTGACCCTGCTACGTTTGCAGAT
 TACATGGCCACCTGGTGGAGGTCCAGCATGAGCGCGGCGCTCCGGAGGCCAGACTTCCACTCCTTGC
 TCACAGCTCCCTGCCGCCCCGCCGAGACAGCAGAGGCCAACCAAAAGAGCAGCCAGAGCAGCC
 CATAGGCCAGGGCCGATTCCGGTGGGGACCCAGCTCCGGGTGCTGGGCCCTGAGGACGACCTGGCTGGC
 ATGTTCTCCAGATTTTCCGCTCAGCCCGACCTCGGTGGCAGAGCTCCAGTCCCGCCCGTGGCCC
 TCGCCCTGCAGCAGGCCCTGGGCCAGGAGTGGCCCGCTGCTCCAGGGCAGCCCGAGGTGCCGGCAT
 CACGGTGGTGTCTGACGGCCCTCGCCACCTGCTCAGTCTCCACACGCGGTGCCCTGGTGTGTC
 ATGCACCTAGCCACTTCTGGCTGCCGCTGCTGCGCCAGCTTGCCAGTACCAGCGCTGTGTGCCAC
 AGGACACCGGCTTCTCTCGCTTCTCTGAAGGTGCTCTGACAGATGCTGCAAGTGGTGGACAGCCCTGG
 CGTGGAGGGCGGGCCCTGCGGGCAGAGCTCAGGATGCTTGCCAGCCAGGCCCTCAGCCGGGCGCAGGCTC
 AGTGATGTGCGAGGGGGCTCCTGCGCTGGCCAGGCCCTGGCTTCCGTGAGGACCTGGAGGTGGTCA

GCTCCACCGTCCGTGCCGTATCGCCACCCTGAGGTCTGGGGAGCAGTGCAGCGTGGAGCCGGACCTGAT
 CAGCAAAGTCTCCAGGGGCTGATCGAGGTGAGGTCCCCCACCTGGAGGAGCTGCTGACTGCATTCTTC
 TCTGCCACTGCGGATGCTGCCTCCCCGTTTCCAGCCTGTAAGCCCGTTGTGGTGGTGAAGTCCCTGCTGC
 TGCAGGAGGAGGAGCCCTGGCTGGGGGGAAGCCGGGTGCGGACGGTGGCAGCCTGGAGGCCGTGCGGT
 GGGGCCCTCGTCAGGCCCTCTAGTGGACTGGTGGAAATGCTGGACCCGAGGTGGTCAGCAGTGCCTCC
 GACCTGCAGCTCAGGCTGCTCTTCTCCCGGAGGAAGGGCAAAGGTGAGGCCAGGTGCCCTCGTTCGGTC
 CCTACCTCCTGACCCTCTTCACGCATCAGTCCAGCTGGCCCACTGCACCAAGTGCATCCGAGTCCCTGCT
 GGGCAAGAGCCGGGAACAGAGGTTGACCCCTCTGCCTCTCTGGACTTCTCTGGGCTGCATCCATGTT
 CCTCGCATCTGGCAGGGGCGGGACCAGCGCACCCCGCAGGCAGGTCTTGGGAGGAAGCGGCGGGAGGAGC
 TGGTGTGCGGGTCCAGGGCCCGGAGCTCATCAGCCTGGTGGAGCTGATCCTGGCCGAGGCGGAGACGCG
 GAGCCAGGACGGGGACACAGCCGCTGCAGCCTCATCCAGGCCCGGTGCCCTGCTGCTCAGTGTGCTGC
 TGTGGGGACGATGAGAGTGTGAGGAAGGTGACGGAGCACCTGTGAGGTGCATCCAGCAGTGGGAGACA
 GCGTGTGGGAGGCGCTGCCGAGACCTTCTCCTGCAGCTCTACCTACAGCGCCGGAGCTGCGGGTGCC
 CGTGCCTGAGGTCTACTGCACAGCGAAGGGGCTGCCAGCAGCAGCGTCTGCAAGCTGGACGGAATCATC
 CACCGCTTCATCAGCTCCTTGGGACACAGCGACTCCCGGGCGTTGGAGAACCAGGGGCGGATGCCA
 GCATGGCTGCCGGAAGCTGGCGGTGGCGCACCCGCTGCTGCTGCTCAGGCACCTGCCCATGATCGCGGC
 GCTCCTGCACGGCCGACCCACCTCAACTTCCAGGAGTCCGGCAGCAGAACACCTGAGCTGCTTCTCTG
 CACGTGTGCGGCTGCTGGAGCTGCTGCAGCCGACGTGTTCCGACGAGCAGCAGGGGGCGCTGTGGG
 ACTGCCTTCTGTCCTTCCGCTGCTGCTGAATTACAGGAAGTCTCCCGCCATCTGGCTGCCTTCAT
 CAACAAGTTTGTGAGTTCATCCATAAGTACATTACCTACAATGCCCCAGCAGCCATCTCCTTCTGCAG
 AAGCAGCCGACCCGCTCCAGCAGCTGCTCTCGACAACAGTGACCTGGTGTGCTGAAATCCCTCCTTG
 CAGGGCTCAGCCTGCCAGCAGGACGACAGGACCGAGGCTGGACGAAGAGGGCGAGGAGGAGAG
 CTCAGCCGGCTCCTTGGCCCTGGTCAGCGTCTCCCTGTTACCCCTCTGACCGCGCCGAGATGGCCCC
 TACATGAAACGGCTTTCCCGGGGCCAAACGGTGGAGGATCTGCTGGAGGTTCTGAGTGACATAGACGAGA
 TGTCCCGCGGAGACCCGAGATCCTGAGCTTCTTCTCGACCAACCTGCAGCGGCTGATGAGCTCGGCCGA
 GGAGTGTGCGGCAACCTCGCCTTCAGCCTGGCCCTGCGCTCCATGCAGAACAGCCCGAGCATTGCAGCC
 GCTTCTGCCCACGTTTCATGTACTGCTGGGAGCCAGGACTTTGAGGTGGTGCAGACGGCCCTCCGGA
 ACCTGCTGAGTACGCTCTCCTGTGCCAAGAGCACGCGGCTGTGCTGCTCCACCGGGCTTCTGTTGGG
 CATGTACGGCCAGATGGACCCAGCGCGCAGATCTCCAGGCCCTGAGGATCCTGCATATGGAGGCCGTG
 ATG

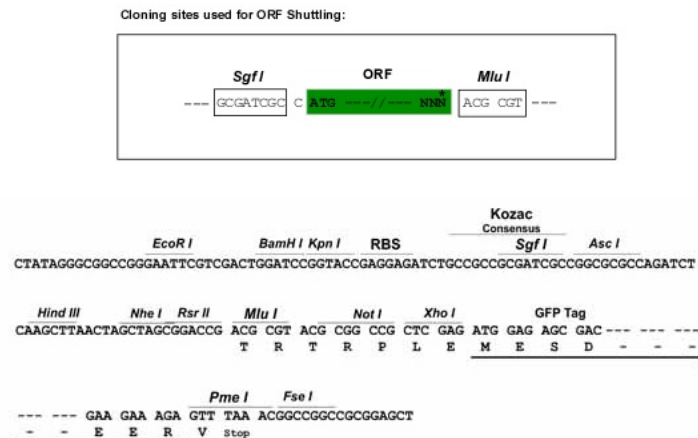
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217456 representing NM_001080453
 Red=Cloning site Green=Tags(s)

MGDGATAPPVNGEASACPAPPTHLDRTTCARRRPARLPPPWGAAGIRPAPRASRASFWARFPPHCFPSGC
 SGRVLEGGIEGFRFRGGRVAAAALRSRWARGDAAAAGSREGRGRMNRAKPTTVRRPSAAAKPSGHPPPG
 DFIALGSKGQANESKTASTLLKPAPSGLPSEKRDAAAAALSSASALTGLTKRPKLSSTPPLSALGRLAEA
 AVAEKRAISPSIKEPSVPIEVLPTVLLDEIEAAELEGNDRIEGLCGAVKQLKVTAKPDSTLYLSLM
 YLAKIKPNIFATEGVIEALCSLLRRDASINFKAKGNSLVSVLACNLLMAAYEEDENWPEIFVKVYIEDSL
 GERIWVDSPHCKTFVDNIQTAFNTRMPRPSVLLQGEAGRVAGDLGAGSSPHPSL TEEEDSQTELLIAEEK
 LSPEQEGQLMPRYEELAESVEEYVLDMLRDQLNRRQPIDNVSRLRLRLTSTCGYKEVRLAVQKLEMWL
 QNPKLTRPAQDLLMSVMCNCNTHGSEMDVISHLIKIRLKPVKLLNHFMLCIRELLSAHKDNLGTTIKLV
 IFNELSSARNPNMQVLYTALQHSELAPKFLAMVFQDLLTNKDDYLASRALLREIIKQTKHEINFQAF
 CLGLMQRKEPQYLEMEFKERFVHITDVLAVSMLGITAQVKEAGIAWDKGEKRNLEVLRSFQNQIAAI
 QRDAVWWLHTVPSISKLAPKDYVHCHLVLFTEQPETYKWDNWPESDRNFFLRLCSEVPILEDTLMR
 ILVIGLSRELPLGPADAMELADHLVKRAAAVQADDVEVLKVGRTQLIDAVLNLCTYHHPENIQLPPGYQP
 PNLAISTLYWKAWPLLLVVAAFNPENIGLAAWEEYPTLKMMLMEMVTNNYSYPPCTLTDEETRTEMLNRE
 LQTAQREKQEILAFEGHLAAASTKQTITESSSLLLSQLTSLDPQYAAHTAPPCACRRDLGPPRRPPPHIL
 DQVKSLLNQLRLGHLPCRNPDLFLLHIIQRQASSQSMPLADLVQSSEGLDVLVPVQCLCEFLHDAVD
 DAASGEEDDEGESKEQKAKKRQKQKQRLGRLQDLLGPKADEQTTCEVLDYFLRRLGSSQVASRVLA
 MKGETLPALPKAGPAHECLPQGLSLVLEGLSDGEEKEPPMEEDVGDVDLVQGYQWLLRDLPLPLFDS
 VRSTTALALQQAHHMETDPQTI SAYLIYLSQHTPVVEEQAQHSDDLALDVARLVVERSTIMSHLF SKLSPSA
 ASDAVLSALLSIFSRYVRRMRQSKEGEEVYSWSESQDQVFLRWSSGETATMHILVHAMVILLTLGPRA
 DDSEFQALLDIWFPEEKPLPTAFLVDTSEEALLLPDWLKLRMIRSEVLRLVDAALQDLEPQQLLFFVQSF
 GIPVSSMSKLLQFLDQAVAHDPQTLEQNIMDKSKMPGTCGVGSHLTTEPQPGQAFGAWVRAGVTLLRFAD
 YMAHLVEVQHERGASGGQTFHSLLTASLPRRDSTEAPKPKSSPEQPIGQGRIRVGTQLRVLGPEDDLAG
 MFLQIFPLSPDRWQSSSPRPVALALQALGQELARVVQGSPEVPGITVRVLQALATLLSSPHGGALVMS
 MHRSHFLACPLLRLCQYQRCVPQDTGFSFLKVLQMLQWLDSPGVEGGPLRAQLRLASQASAGRRL
 SDVRGGLRLAEALAFRQDLEVSSTVRAVIATLRSGEQCSVEPDLISKVLQGLIEVRSPLHEELLTAFF
 SATADAASPFPAKPVVVVSSLLQEEELAGGKPGADGGSLEAVRLGPSSGLLDVWLEMLDPEVVSSCP
 DLQLRLLFSRRKGKGQAQVPSFRPYLLTLFTHQSSWPTLHQCIRVLLGKSREQRFDPSASLDFLWACIHV
 PRIWQGRDQRTQAGLGRKRREELVLRVQGP ELISLVELILAEATRSQDGTAAACSLIQARLPLLLSCC
 CGDDESVRKVTEHLSGCIQQWGDVLRRCRDLLQLYLQRP ELRVPVPEVLLHSEGAASSSVCKLDGLI
 HRFITLLADTSDSRALENRGADASMACRKLAVAHPLLLLRHLPMAALLHGRTHLNFQEFQQNHLSCFL
 HVLGLLELLQPHVFRSEHQGALWDCLLSFIRLLLNRYKSSRHAAFINKFVQFIHKYITYNAPAAISFLQ
 KHADPLHDLSDNSDLVMLKSLAGLSLPSRDDRTDRGLDEEGEEESSAGSLPLVSVSLFTPLTAAEMAP
 YMKRLSRGQTVEDLLEVLSDIDEMSRRRPEILSFFSTNLQRLMSSAECCRNLAFLSLALRSMQNSPSIAA
 AFLPTFMYCLGSQDFEVVQTALRNLPYALLCQEHAAVLLHRAFLVGMYGQMDPSAQISEALRILHMEAV
 M

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001080453

ORF Size: 6997 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_001080453.1](#), [NP_001073922.1](#)

RefSeq Size: 7446 bp

RefSeq ORF: 6573 bp

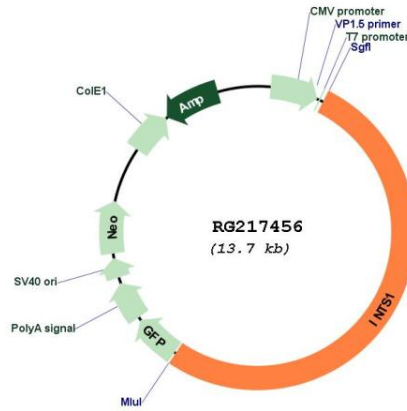
Locus ID: 26173

UniProt ID: [Q8N201](#)

Cytogenetics: 7p22.3

Gene Summary:

INTS1 is a subunit of the Integrator complex, which associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates 3-prime end processing of small nuclear RNAs U1 (RNU1; MIM 180680) and U2 (RNU2; MIM 180690) (Baillat et al., 2005 [PubMed 16239144]).[supplied by OMIM, Mar 2008]

Product images:


Circular map for RG217456