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Product datasheet for RG228590

TXNDC16 (NM_001160047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNDC16 (NM_001160047) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TXNDC16
Synonyms:	ERp90; KIAA1344
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG228590 representing NM_001160047
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTTCCGGCTTCAATGTCTTTAGAGTTGGGATCTCTTTTGTCATAATGTGCATTTTTTACATGCCAA
CAGTAAACTCTTTACCAGAACTGAGTCCTCAGAAATATTTTAGTACATTGCAACCAGGAAAAGCCTCTTT
AGCTTATTTTTGTCAAGCTGATTCCCCAAGAACATCTGTATTTCTTGAAGAACTGAATGAGGCTGTTAGA
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CACCTTGTTTGATGTGAATGCCATTGTCGCCCATGTTCTCTTTGAAGTGAAATATATTACCAACCTGGAA
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AGGATTTCATATCCAGTGAATATAACATCGATCCAAGAAGCAGAAGAATATTTAAGTGGGGAATTATATA
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ATTGGAATAGAAGTAATTGGTTTAAAGAAGCAGAAAAATCATTTAGACGTGATAAAGAGTTAGGATGCTC
AAAAGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228590 representing NM_001160047
Red=Cloning site Green=Tags(s)

MFSGFNVFRVGISFVIMCIFYMPTVNSLPELSPQKYFSTLQPGKASLAYFCQADSPRTSVFLEELNEAVR
PLQDYGISVAKVNCVKEEISRYCGKEKDLMKAYLFKGNILLREFPTDTLFDVNAIVAHVLFEVKYITNLE
DLQNIENALKGKANIIFSYVRAIGIPEHRAVMEAAFVYGTTYQFVLTTEIALLESIGSEDVEYAHLYFFH
CKLVLDLTQQCRRTLMEQPLTTLNIHLFIKTMKAPLLTEVAEDPQQVSTVHLQLGLPLVFIVSQQATYEA
DRRTAEWVAWRLLGKAGVLLLLRDSLEVNIPQDANVVFKRAEEGVPVEFLVLHDVDLIISHVENNMHIEE
IQEDEDNDMEGPDIDVQDDEVAETVFRDRKRKLPLELTVELTEETFNATVMASDSIVLFYAGWQAVSMAF
LQSYIDVAVKLKGTSTMLLTRINCADWSDVCTKQNVTEFPIIKMYKKGENPVSYAGMLGTEDLLKFIQLN
RISYPVNITSIQEAEEYLSGELYKDLILYSSVSVLGLFSPTMKTAKEDFSEAGNYLKGYVITGIYSEEDV
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FSDGTVNPQYKKAILTLVKQKYLDSFTPCWLNLKNTPVGRGILRAYFDPLPPLPLLVLVNLHSGGQVFAF
PSDQAIIEENLVLWLKKLEAGLENHITILPAQEWKPPLPAYDFLSMIDAATSQRGTRKVPKCMKETDVQE
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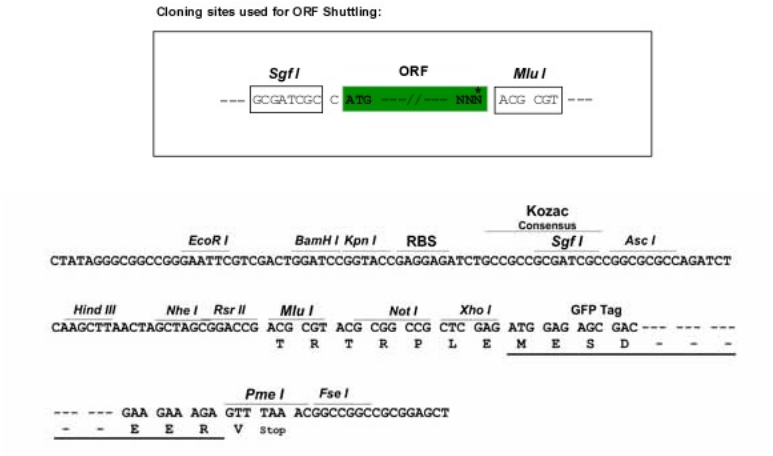
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001160047
ORF Size:	2460 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_001160047.1, NP_001153519.1

RefSeq Size: 4636 bp

RefSeq ORF: 2463 bp

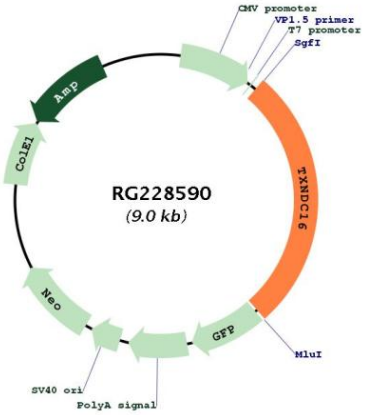
Locus ID: 57544

UniProt ID: Q9P2K2

Cytogenetics: 14q22.1

Protein Families: Druggable Genome, Transmembrane

Product images:



Circular map for RG228590