

Product datasheet for **RG215706**

TNXB (NM_019105) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNXB (NM_019105) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNXB
Synonyms:	EDS3; EDSCLL; EDSCLL1; HXBL; TENX; TN-X; TNX; TNXB1; TNXB2; TNXBS; VUR8; XB; XBS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215706 representing NM_019105 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215706 representing NM_019105
 Red=Cloning site Green=Tags(s)

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 LVQYRDAQGQPQAVPVSGDLRAVAVSGLDPARKYKFLFLGLQNGKRHGPVPEARTAPDTKPSRPGELT
 VTDATPDSVGLSWTVPEGEFDSFVVQYKDKDGRLLQVVPVAANQREVTVQGLEPSRKYRFLLYGLSGRKR
 GPI SADSTTAPLEKELPPHLGELTVAEETSSSLRLSWTVAQGPFD FVQYRDTDGPRAVVAADQRTV
 TVEDLEPGKKYKFLLYGLLGGKRLGPVSALGMTAPEEDTPAPELAPEAPEPEEPRLGVLTVDTTDPDSM
 RLSWSVAQGPFD FVQYEDTNGQPQALLVDGDQSKILISGLEPSTPYRFLLYGLHEGKRLGPLSAEGTT
 GLAPAGQTSEESRPRLSQLSVTDVTTSSLRLNWEAPPGAFDSFLLRFVSPSTLEPHRPLLLQRELMVP
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 SPASITFTTGLEAPRDLEAKEVTPRTALLTWTEPPVPRPAGYLLSFHTPGGQNGEILLPGGITSHQLLGLF
 PSTSYNARLQAMWQSLLPPVSTSTFTTGLRIPFPRDCGEEMQNGAGASRTSTIFLNGNRERPLNVFCDM
 ETDGGGWLVFQRRMDGQTD FWRDWDYAHGFGNISGEFWLGNEALHSLTQAGDYSMRVDLRAGDEAVFAQ
 YDSFHVDSAAEYRHLHEGYHGTAGDSMSYHSGSVFSARDRDPNSLLISCAVSYRGAWWYRNCHYANLNG
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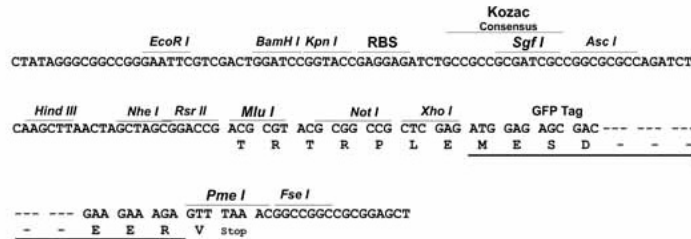
TRTRPLE - GFP Tag - V

Sgfl-MluI

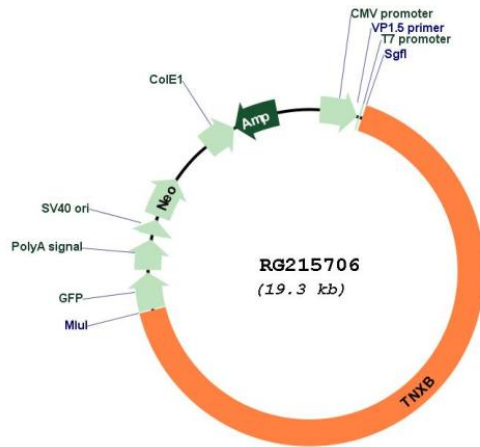
Restriction Sites:

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019105

ORF Size: 12726 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_019105.8
RefSeq Size:	13143 bp
RefSeq ORF:	12729 bp
Locus ID:	7148
UniProt ID:	P22105
Cytogenetics:	6p21.33-p21.32
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	ECM-receptor interaction, Focal adhesion
Gene Summary:	<p>This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The tenascins have anti-adhesive effects, as opposed to fibronectin which is adhesive. This protein is thought to function in matrix maturation during wound healing, and its deficiency has been associated with the connective tissue disorder Ehlers-Danlos syndrome. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. It is one of four genes in this cluster which have been duplicated. The duplicated copy of this gene is incomplete and is a pseudogene which is transcribed but does not encode a protein. The structure of this gene is unusual in that it overlaps the CREBL1 and CYP21A2 genes at its 5' and 3' ends, respectively. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p>