

Product datasheet for RG200266

TXNL4A (NM_006701) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

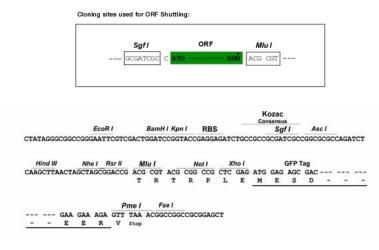
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	TXNL4A (NM_006701) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TXNL4A
Synonyms:	BMKS; DIB1; DIM1; SNRNP15; TXNL4; U5-15kD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG200266 representing NM_006701 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCGTACATGCTCCCGCACCTGCACAACGGCTGGCAGGTGGACCAGGCCATCCTCTCGGAGGAGGACC GCGTGGTCGTCATCCGCTTCGGCCACGACTGGGATCCTACGTGCATGAAGATGGACGACGAGGTCCTGTACAG CATCGCCGAGAAGGTTAAAAATTTTGCAGTTATTTATCTTGTGGATATTACAGAAGTGCCTGACTTCAAC AAAATGTATGAGTTATACGATCCATGTACTGTCATGTTTTTCTTCAGGAACAAGCACATCATGATTGACT TGGGGACTGGCAACAACAACAAGATTAACTGGGCCATGGAGGACAAGCAGGAGATGGTGGACATCATCGA GACGGTGTACCGCGGGGCCCGCAAAGGCCGCGGCCTGGTGGTGTCCCCCCAAGGACTACTCCACCAAGTAC CGCTAC
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	<pre>>RG200266 representing NM_006701 Red=Cloning site Green=Tags(s)</pre>
	MSYMLPHLHNGWQVDQAILSEEDRVVVIRFGHDWDPTCMKMDEVLYSIAEKVKNFAVIYLVDITEVPDFN KMYELYDPCTVMFFFRNKHIMIDLGTGNNNKINWAMEDKQEMVDIIETVYRGARKGRGLVVSPKDYSTKY RY
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:

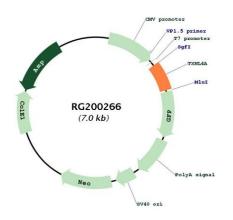


ACCN:	NM_006701
ORF Size:	426 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 006701.5</u>
RefSeq Size:	1415 bp
RefSeq ORF:	429 bp
Locus ID:	10907
UniProt ID:	<u>P83876</u>

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CRIGENE TXNL4A (NM_006701) Human Tagged ORF Clone – RG200266		
Cytogenetics:	18q23	
Domains:	DIM1	
Protein Families:	Druggable Genome	
Protein Pathways:	Spliceosome	
Gene Summary:	The protein encoded by this gene is a member of the U5 small ribonucleoprotein particle (snRNP), and is involved in pre-mRNA splicing. This protein contains a thioredoxin-like fold and it is expected to interact with multiple proteins. Protein-protein interactions have been observed with the polyglutamine tract-binding protein 1 (PQBP1). Mutations in both the coding region and promoter region of this gene have been associated with Burn-McKeown syndrome, which is a rare disorder characterized by craniofacial dysmorphisms, cardiac defects, hearing loss, and bilateral choanal atresia. A pseudogene of this gene is found on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]	

Product images:



Circular map for RG200266

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