

Product datasheet for SC115962

TXNL4A (NM_006701) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TXNL4A (NM_006701) Human Untagged Clone
Tag: Tag Free
Symbol: TXNL4A
Synonyms: BMKS; DIB1; DIM1; SNRNP15; TXNL4; U5-15kD
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_006701 edited
 ATGTCGTACATGCTCCCGCACCTGCACAACGGCTGGCAGGTGGACCAGGCCATCCTCTCG
 GAGGAGGACCGCGTGGTCGTCCGCTTCGGCCACGACTGGGATCCTACGTGCATGAAG
 ATGGACGAGGTCCTGTACAGCATCGCCGAGAAGGTTAAAAATTTGCAGTTATTTATCTT
 GTGGATATTACAGAAGTGCCTGACTTCAACAAAATGTATGAGTTATACGATCCATGTACT
 GTCATGTTTTTCTTCAGGAACAAGCACATCATGATTGACTTGGGGACTGGCAACAACAAC
 AAGATTAAGTGGCCATGGAGGACAAGCAGGAGATGGTGGACATCATCGAGACGGTGTAC
 CGCGGGGCCCCGAAAGGCCGCGGCTGGTGGTGTCCCCAAGGACTACTCCACCAAGTAC
 CGCTACTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006701 unedited
 CCGTCGGAATTGAAAACGATGCCTATAGCGCGCCGCGNAATTCGCACGAGGCGGGACCGG
 ATTTTCGTCCGTGGGCCCGGGGGCGGGGGCCGGGAGTGAGGGGCCGGCTGAGCCAC
 CTCGCTGGGCCCTCCCTGGCGCCCCGCTTGGCGGGCGGCGAGCGCGGGCCGCGCATGT
 CGTACATGCTCCCGCACCTGCACAACGGCTGGCAGGTGGACCAGGCCATCCTCTCGGAGG
 AGGACCGCGTGGTCGTCCGCTTCGGCCACGACTGGGATCCTACGTGCATGAAGATGG
 ACGAGGTCCTGTACAGCATCGCCGAGAAGGTTAAAAATTTGCAGTTATTTATCTTGTGG
 ATATTACAGAAGTGCCTGACTTCAACAAAATGTATGAGTTATACGATCCATGTACTGTCA
 TGTTTTTCTTCAGGAACAAGCACATCATGATTGACTTGGGGACTGGCAACAACAACAAGA
 TTAAGTGGCCATGGAGGACAAGCAGGAGATGGTGGACATCATCGAGACGGTGTACCGCG
 GGGCCCCGAAAGGCCGCGGCTGGTGGTGTCCCCAAGGACTACTCCACCAAGTACCGCT
 ACTGAGGCGCCCTCAGTCTGCGCGGATAAATGTCGTGGAGCCCTTTTGTATGGAACGT
 TTTAAGCTATTTAAAGCCTTTGGAAAATACAGGAAGCTCCAGGGCTGGAGCACCTCTGAG
 ATGGAATTGATAACATGGTCTTAACTCNACCGAATAAACAAGCACGTGGTGGAGAGAAAA
 AAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGCCATACCTGTTTCTGAACAGA
 TCCCGGTGGCATCCCTGTGACCCNCCCACATGCCTCTCCTGCCCTGGA



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006701 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTCTCTCACACGTGCTTGTATTTTCGGTGAG TTAAGACCATGTTATCAATTCCATCTCAGAGGTGCTCCACCCCTGGAGCTTCTGTATTT TCCAAAGGCTTTAAATAGCTTAAAACGTTTCCATACAAAAAGGGCTCCACGACATTTATC CGTGCAGACTGAGGGCGCCTCAGTAGCGGTAAGTGGTGGAGTAGTCTTGGGGGACACCA CCAGGCCGCGCCTTTGCGGCCCCCGTGGCACACCCGTTTCGATGATGTCCACCATCTCT GCTTGTCTCCATGGACCACTCAATCTTGTGCTGTTGCCAGTCCCAAGTCAATCATGA TGCGCTTGTTCCTGATAAAAACTTGACAGTACATGGATCCTATACCTCATACATTTTGT GAACCCAGGCACTTCTGTAATATCCACAAGATAAATAACTGCAAACTTTAACCTTCTC CGCGATGCTGTACAGGACCTCTTCCATTTTCATGTCATCTCCATCCCCCTTCTGACT TCCATGTTTTACACCCACCCCGTTCCACCTCCAAAAGCACGGCCNTGCCTCATCTCC CCCCCTCTCCCTATTTGTGCCGTGCACTTCCCCCACACGGCCGTAACCCCTCCCTATC CTCCATTACGCCGCTTCCATGCCGCCATTCCCCCGTGGATTCCCCCCATTCCCT TTTCCCACCTTCTTCCACCTCTCCATACCCATATTCCTTCTCCGTCCCCTTCTTTCC ACCCTCCTTCCCTTCTTTTACCCACACCTCCTCCCTACTCCCTCCATCCCTTCCCTC CGCGTCTCCCATCTACCATCCCTTCCCTATCTACTTACGTTTTTCTCTTTACACC CCCATCTATTATTTTTCTCACCTTATCGTCCCGCGCATTCTCCATTACCACCCGTT CCTTTCCGCTCCTTCTCTTCTTCTTACCCCTTCCCCACACATCGCCTTCTNTCC CCCGTTACTTCTCCCCACATATCTCCGCCACTTTTCTTCCCCCGCGCGATCN
Restriction Sites:	NotI-NotI
ACCN:	NM_006701
Insert Size:	700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_006701.2 , NP_006692.1
RefSeq Size:	1415 bp
RefSeq ORF:	429 bp
Locus ID:	10907
UniProt ID:	P83876
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]

Transcript Variant: This variant (1) encodes the longest isoform (1).