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Product datasheet for SC112104

TBLR1 (TBL1XR1) (NM_024665) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBLR1 (TBL1XR1) (NM_024665) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBLR1
Synonyms:	C21; DC42; IRA1; MRD41; TBLR1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC112104 sequence for NM_024665 edited (data generated by NextGen Sequencing)

ATGAGTATAAGCAGTGATGAGGTCAACTTCTTGGTATATAGATACTTGCAAGAGTCAGGA
TTTTCTCATTCAGCATTTACCTTTGGTATAGAAAGCCATATCAGTCAGTCCAATATAAAT
GGTGCCCTCGTCCCACCCGCTGCATTGATTTCTATCATCCAGAAAGGTCTACAGTATGTA
GAAGCAGAAGTTAGTATTAATGAGGATGGTACCTTGTTTGATGGTCGACCAATAGAGTCT
CTGTCCCTGATAGATGCCGTAATGCCTGATGTAGTACAAACAAGACAACAAGCTTATAGA
GATAAGCTTGCACAGCAACAGGCAGCAGCTGCTGCAGCTGCCGCAGCTGCAGCCAGCCAA
CAAGGATCTGCAAAAAATGGAGAAAACACAGCAAATGGGGAGGAGAATGGAGCACATACT
ATAGCAAATAATCATACTGATATGATGGAAGTGGATGGGGATGTTGAAATCCCTCCTAAT
AAAGCTGTTGTGTTGCGGGGCCATGAATCTGAAGTTTTTATCTGTGCCTGGAACCCTGTT
AGTGATCTCCTAGCATCAGGGTCTGGAGACTCAACAGCAAGAATATGGAATCTTAGTGAG
AACAGCACCAGTGGCTCTACACAGTTAGTACTTAGACATTGTATACGAGAAGGAGGGCAA
GATGTTCCAAGCAACAAGGATGTCACATCTCTAGATTGGAATAGTGAAGGTACACTTCTA
GCAACTGGTTCCTATGATGGGTTTGCCAGAATATGGACTAAAGATGGTAACCTTGCTAGC
ACCTTAGGGCAGCATAAAGGCCCTATATTTGCATTAAAATGGAATAAGAAAGGAAATTTC
ATCCTAAGTGCTGGAGTAGACAAGACTACAATTATTTGGGACGCACATACTGGTGAAGCC
AAGCAACAGTTTCCTTTTCATTCAGCACCAGCATTGGATGTTGATTGGCAGAGCAACAAC
ACCTTTGCTTCTTGTAGTACAGATATGTGCATTCATGTCTGTAAATTAGGACAAGACAGA
CCTATTAAAACATTCCAAGGACATACGAATGAAGTAAATGCTATCAAATGGGACCCAACT
GGCAATCTCTTGGCCTCCTGTTCTGACGACATGACTTTAAAGATATGGAGTATGAAACAA
GACAATTGTGTCCATGATTTGCAAGCACATAATAAAGAAATTTATACTATCAAATGGAGT
CCAACAGGACCAGGGACTAATAATCCAAATGCCAACCTTATGTTAGCAAGTGCATCCTTT
GATTCTACTGTTAGGTTATGGGATGTAGACCGAGGGATATGCATCCATACCTTGACAAAA
CACCAAGAGCCTGTGTRCAGTGTAGCTTTCAGTCCTGATGGCAGGTATCTGGCAAGTGGT
TCTTTTGACAAATGTGTACACATCTGGAACACGCAGACAGGTGCTCTAGTTCACAGCTAT
AGGGGAACAGGTGGAATATTTGAAGTTTGCTGGAATGCAGCAGGAGACAAAGTTGGAGCC
AGTGCATCAGATGGTTCAGTTTGTGTATTAGACCTTCGGAAATAG

Clone variation with respect to NM_024665.4
1337 a=>r

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024665 unedited
TTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGACCGGATATTCAGT
TGCACATCCCCACATCAATGCACTGCCAATGGGTTATATCCTGTGTTGTGACCTCATGGT
TTAAGTGGGAATAAAGATGAGTATAAGCAGTGATGAGGTCAACTTCTTGGTATATAGATA
CTTGCAAGAGTCAGGATTTTCTCATTCAGCATTTACCTTTGGTATAGAAAGCCATATCAG
TCAGTCCAATATAAATGGTGCCCTCGTCCCACCCGCTGCATTGATTTCTATCATCCAGAA
AGGTCTACAGTATGTAGAAGCAGAAGTTAGTATTAATGAGGATGGTACCTTGTTTGATGG
TCGACCAATAGAGTCTCTGTCCCTGATAGATGCCGTAATGCCTGATGTAGTACAAACAAG
ACAACAAGCTTATAGAGATAAGCTTGCACAGCAACAGGCAGCAGCTGCTGCAGCTGCCGC
AGCTGCAGCCAGCCAACAAGGATCTGCAAAAAATGGAGAAAACACAGCAAATGGGGAGGA
GAATGGAGCACATACTATAGCAAATAATCATACTGATATGATGGAAGTGGATGGGGATTG
TTGAAATCCCTCCTAATAAAGCTTGTTGTGTTGCGGCGCCATGAATCTGAAGTTTTTATC
TGTGCCTGGAACCTTGTTAGTGATCTCCTAGCATTAGGGTCTGGAGACTCAACACCAGAA
TTTGGAATCTTAGTGAGAACAGCACCAGTGGCTCTACCCAGTTATACTTAAACATTGGAT
ACAAGAGGAAGGCAAGATGTTCCACCACCAGGATGCCCATCTCTAGATGGAATAGTGAGG
ACACTTTTACCACTGTTTCTATGAGGGTTGCAAAAAA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_024665 unedited
GCAATCTAGAGTCGAGTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTTACCC
AAAAACATTTTAATCTTTTAAAAAACAAAGCAAAACAAACAACCACCAAAAACCCCAAAA
CTACGTTGCTCCTTTTCACAATAGGGCACATTTTTACCATAATTTAGTTATGGCTACAAA
ACATCAAAAAATTTTTTTAAGGTATCTTCTCTATGGAAATTAAAAAAAAAGTTGGGCCCT
TCTAGTCTTTAATTGGCAAAAATATGTCCCAAAAAAAAAACTATTGCATTTAAGCCACTT
CCCCAAAAACCAAAAAGGAAAAAAAAAAAAAAAAAGGCAAACCAAAAAAACAAACCCAAC
AGAGCATAATACCCTTTTACTGATGGGTCTTACAGATTGACATGACCAAAGTCATAGGTT
TTCATTTAATTTCCAATTCCCCCTTCCACAACATGCACCAACTGAATATATGCTCTGGGA
GCCATAAAATGTACCAAACATCTACCTCTTCAAAAGAATGCATTAAAATATTTTAAAGAA
TTTTTTGTTTAAAAGGTGAAAAAAATTAACCAAGAAACTGATTCACTCCCTTACTTCATG
CATCCATAATCTAACCCAAAAACGATATTTTAAAGCAAGACCAAACTACTGCTGCAAGTT
TTTGTAAGTCCATTTTCTCTGTCATACAAACTGCTCCTACTGAGGGGAAAAAAAGATATA
TCCATGTGGCTGCTGATTCAAAGGGAGAACAAGCTGTATTTAGTTCCAAAACTGGACAGT
ATGTTCGGTTTATAAGAAATTTTCCCTCTCGGTTTAAAACCAAACTCTAAGGCTTTTTAG
GCACAGAGATAAATCCAGCCTTGGGAACGAATTCAAGCTGGACAAATTTGCTCTCAGGGG
CCATTTGTTTATACACGATTAAATATTTTTAAATGGCTGAGGACCGCCAGTTCCAGGGNA
TTTCCN
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Restriction Sites: NotI-NotI

ACCN: NM_024665

Insert Size: 2660 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:
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_024665.3, NP_078941.2

RefSeq Size: 5911 bp

RefSeq ORF: 1545 bp

Locus ID: 79718

UniProt ID: Q9BZK7

Cytogenetics: 3q26.32

Domains: WD40, LisH

Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Wnt signaling pathway
Gene Summary:	This gene is a member of the WD40 repeat-containing gene family and shares sequence similarity with transducin (beta)-like 1X-linked (TBL1X). The protein encoded by this gene is thought to be a component of both nuclear receptor corepressor (N-CoR) and histone deacetylase 3 (HDAC 3) complexes, and is required for transcriptional activation by a variety of transcription factors. Mutations in these gene have been associated with some autism spectrum disorders, and one finding suggests that haploinsufficiency of this gene may be a cause of intellectual disability with dysmorphism. Mutations in this gene as well as recurrent translocations involving this gene have also been observed in some tumors. [provided by RefSeq, Mar 2016]