

Product datasheet for **SC105026**

GTF2IRD2 (AK098269) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2IRD2 (AK098269) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF2IRD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105026 sequence for AK098269 edited (data generated by NextGen Sequencing) <pre> ATGGCCCAGGTAGCAGTGTCCACCCTGCCTGTTGAAGAAGAGTCCTCCTCAGAGACCAGG ATGGTGGTGACATTCCTCGTGTCTGCCCTCGAATCCATGTGTAAAGAACTGGCCAAGTCC AAGGCAGAAGTGGCCTGCATCGCAGTGTACGAAACAGACGTGTTTGTCGTCGGAACCGAG AGAGGATGCGCTTTTGTAAATGCCAGGACGGATTTTCAGAAAGATTTTGCAAAATACTGC GTTGCAGAGGGACTGTGTGAGGTGAAACCTCCCTGCCCTGTGAACGGGATGCAGGTCCAC TCGGGCGAAACGGAAATACTCAGGAAGGCAGTGGAGGACTATTTCTGCTTTTGTATGGT AAAGCCTTAGGGACAACAGTGATGGTGCCTGTTCCCTATGAGAAGATGCTGCGAGACCAG TCGGCTGTGGTAGTGCAGGGGCTTCCGGAAGCGTTGCCTTTCAACACCCTGAGAATTAC GACCTTGCAACCCTGAAATGGATTTTGGAGAACAAGCAGGGATTTCATTCATCATAAAT AGGTGA </pre>

Clone variation with respect to AK098269.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for AK098269 unedited <pre> GTCGGTTTTGTATACGACTCACTATAGGGCGGCCGCAATTTCGCACCAGGGCGAGCAGGG GCCTCGGCCGCCACCCACACGCCCGAAGCGTGCTCGTCCCCCGCGGGGCTCCCGGCC GCCGCCCTCGGCCATCGGCTGCTCCCGGTGGCCAGGCCTCGGACTCCGCGGCCGGCC GGCGCGGCCAGCGCCCTCAGGGATCATGGCCAGGTAGCAGTGTCCACCCTGCCTGTTG AAGAAGAGTCCTCCTCAGAGACCAGGATGGTGGTGACATTCCTCGTGTCTGCCCTCGAAT CCATGTGTAAAGAACTGGCCAAGTCCAAGGCAGAAGTGGCCTGCATCGCAGTGTACGAAA CAGACGTGTTTGTGTCGGAACCGAGAGAGGATGCGCTTTTGTAAATGCCAGGACGGATT TTCAGAAAGATTTTGCAAATACTGCGTTGCAGAGGGACTGTGTGAGGTGAAACCTCCCT GCCCTGTGAACGGGATGCAGGTCCACTCGGGCGAAACGGAAATACTCAGGAAGGCAGTGG AGGACTATTTCTGCTTTTGTATGGTAAAGCCTTAGGGACAACAGTGATGGTGCCTGTTC CCTATGAGAAGATGCTGCGAGACCAGTCGGCTGTGGTAGTGCAGGGGCTCCGGAAGGCG TTGCCTTTCAACACCCTGAGAATTACGACCTTGCAACCCTGAAATGGATTTTGGAGAACA AAGCANGGATTTTCATTCATCATAAATAGGTGACACACTCTGCACCCCGCCCTTCAGTT CATTTAAAGATGAAACCAATAGCCTAATTTTAATTCACCTCGTGCATCCCGCTGTGCGT TTCAGAGCTGACTGTTTCAGATGTGTATGCTTTTTCATGGNTCCGTGCTGGGTAAATGGT GTTGCTTTTCTGACAGCCCTTCTAGGACAGAGAGTGCCTGGGTAGTGACAGCTCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK098269
Insert Size:	1850 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:	AK098269.1 , BAG53604.1
RefSeq Size:	1301 bp
RefSeq ORF:	546 bp
Locus ID:	84163
Cytogenetics:	7q11.23
Domains:	GTF2I
Protein Families:	Transcription Factors

Gene Summary:

This gene is one of several closely related genes on chromosome 7 encoding proteins containing helix-loop-helix motifs. These proteins may function as regulators of transcription. The encoded protein is unique in that its C-terminus is derived from CHARLIE8 transposable element sequence. This gene is located in a region of chromosome 7 that is deleted in Williams-Beuren syndrome, and loss of this locus may contribute to the cognitive phenotypes observed in this disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]