

Product datasheet for **SC314974**

GTF2IRD2 (NM_173537) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2IRD2 (NM_173537) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF2IRD2
Synonyms:	FP630; GTF2IRD2 alpha; GTF2IRD2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC314974 representing NM_173537.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCAGGTAGCAGTGTCCACCCTGCCTGTTGAAGAAGAGTCCTCCTCAGAGACCAGGATGGTGGTG
ACATTCCTCGTGTCTGCCCTCGAATCCATGTGTAAGAAGTGGCCAAGTCCAAGGCAGAAGTGGCCTGC
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CCTGTGAACGGGATGCAGGTCCACTCAGGCGAAACGAAATACTCAGGAAGGCAGTGGAGGACTATTTT
TGCTTTTGTATGGTAAAGCCTTAGGGACAACAGTGATGGTGCCTGTTCCCTATGAGAAGATGCTGCGA
GACCAGTCGGCTGTGGTAGTGCAGGGGCTTCCGGAAGGCGTTGCCTTTCAACACCCTGAGAATTACGAC
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GCTGTCTCAGTCAAGAAAGAATCAGAAGATCCTAATTACTATCAATATAATATGCAAGGAAGCCACCT
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GGTGCGGAACGAAGTCCATCTGTTGTATAATTCATCCGGAATCACTCTGTGCTCAGAAGTTGAAGATG
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AGAGGGAAACCCCTGCCTCAACTGAGCTCCATAGATTGGATCCGAGACCTGGCCTTCTTGGTTGACATG
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TCCCCGTTCTCCACGAAGATCGACAGTGTGCACGAGGAGCTCCAGATGGAGGTTATCGACCTGCAATGC
AACACGGTCTGAAGACGAAATACGACAAGGTGGGAATACCAGAATCTACAAGTACCTCTGGGTAGC
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CTGTTCTCCATTATGAACTGAGCAAAACAAAATACTGCTCCAGTTAAAGGATTCACAGTGGGATTCT
GTACTCCACATCGCAACGTGA
ACGCGTACGCGGCCGCTCGAGCGAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

Sgfl-MluI

ACCN:	NM_173537
Insert Size:	2850 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_173537.3</u>
RefSeq Size:	3599 bp
RefSeq ORF:	2850 bp
Locus ID:	84163
UniProt ID:	<u>Q86UP8</u>
Cytogenetics:	7q11.23
Protein Families:	Transcription Factors
MW:	107.2 kDa
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).