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Product datasheet for SC333568

GTF2IRD2 (NM_001281447) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2IRD2 (NM_001281447) 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)
Fully Sequenced ORF:	>SC333568 representing NM_001281447. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCCCAGGTAGCAGTGTCCACCCTGCCTGTTGAAGAAGAGTCCTCCTCAGAGACCAGGATGGTGGTG ACATTCCTCGTGTCTGCCCTCGAATCCATGTGTAAAGAACTGGCCAAGTCCAAGGCAGAAGTGGCCTGC ATCGCAGTGTACGAAACAGACGTGTTTGTCGTCGGAACCGAGAGAGGATGCGCTTTTGTTAATGCCAGG ACGGATTTTCAGAAAGATTTTGCAAAATACTGTAGGTGTTTTAATTTTATCCTTTGTATTCCCAATCTC AAAAGGATCGCAGGCAAGACTTCCACAGTATTTTCTTCTAAGCTATCATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001281447
Insert Size:	327 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).

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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_001281447.1
RefSeq Size:	648 bp
RefSeq ORF:	327 bp
Locus ID:	84163
UniProt ID:	Q86UP8
Cytogenetics:	7q11.23
Protein Families:	Transcription Factors
MW:	11.9 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 (2) lacks multiple 3' coding exons and its transcription extends past a splice site used in the variant 1, resulting in a distinct 3' coding region and 3' UTR. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.