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Product datasheet for SC331265

GTF2IRD1 (NM_001199207) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTF2IRD1 (NM_001199207) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTF2IRD1
Synonyms:	BEN; CREAM1; GTF3; hMusTRD1alpha1; MUSTRD1; RBAP2; WBS; WBSCR11; WBSCR12
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC331265 representing NM_001199207.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCTTGCTGGGTAAGCGCTGTGACGTCCCCACCAACGGCTGCGGACCCGACCGCTGGAACTCCGCG
TTCACCCGCAAAGACGAGATCATCACCAGCCTCGTGTCTGCCTTAGACTCCATGTGCTCAGCGCTGTCC
AAACTGAACGCCGAGGTGGCCTGTGTCGCCGTGCACGATGAGAGCGCCTTTGTGGTGGGCACAGAGAAG
GGGAGAATGTTCCTGAATGCCCGGAAGGAGCTACAGTCAGACTTCCTCAGGTTCTGCCTCTCCGCAGCT
CAGCACAGGGCAGCGACATCCCAGCTCGAAGGCCGGGTGGTGAGACGGGTGCTCACTGTGGCCTCGCGT
GCTCTGTGTCCCACAGGAGGGCCCCCGTGGAAGGATCCGGAGGCAGAGCACCCCAAGAAGGTGCAGCGG
GGCGAGGGTGGAGGCCGTAGCCTCCCTCGGTCCTCCCTGGAACATGGCTCAGATGTGTACCTTCTGCGG
AAGATGGTAGAGGAGGTGTTTGATGTTCTTTATAGCGAGGCCCTGGGAAGGGCCAGTGTGGTGCCACTG
CCCTATGAGAGGCTGCTCAGGGAGCCAGGGCTGCTGGCCGTGCAGGGGCTGCCCGAAGGCCTGGCCTTC
CGAAGGCCAGCCGAGTATGACCCCAAGGCCCTCATGGCCATCCTGGAACACAGCCACCGCATCCGCTTC
AAGCTCAAGAGGCCACTTGAGGATGGCGGGCGGGACTCGAAGGCCCTGGTGGAGCTGAACGGTGTCTCC
CTGATTCCCAAGGGGTCACGGGACTGTGGCCTGCATGGCCAGGCCCCCAAGGTGCCACCCCAGGACCTG
CCCCCAACCGCCACCTCCTCCTCCATGGCCAGCTTCCTGTACAGCACGGCGCTCCCCAACCACGCCATC
CGAGAGCTCAAGCAGGAAGCACCTTCCTGCCCCCTTGCCCCCAGCGACCTGGGCCTGAGTCGGCCCATG
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GGGCCTCTCATCCAGAACGTCCATGCCTCCAAGCGCATTCTCTTCTCCATCGTCCATGACAAGTCAGAG
AAGTGGGACGCCTTCATAAAGGAAACCGAGGACATCAACACGCTCCGGGAGTGTGTGCAGATCCTGTTT
AACAGCAGATATGCGGAAGCCCTGGGCCTGGACCACATGGTCCCCGTGCCCTACCGGAAGATTGCCTGT
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GACACCTCTGCAGAGGTCTCTAGGGCCACCGTCCTTGACCTTGCTGGGAATGCTCGGTCAGACAAGGGC
AGCATGTCTGAAGACTGTGGGCCAGGAACCTCCGGGGAGCTGGGCGGGCTGAGGCCGATCAAAATTGAG
CCAGAGGATCTGGACATCATTCAGGTCACCGTCCCAGACCCCTCGCCAACCTCTGAGGAAATGACAGAC
TCGATGCCTGGGCACCTGCCATCGGAGGATTCTGGTTATGGGATGGAGATGCTGACAGACAAAGGTCTG
AGTGAGGACGCGCGGCCCGAGGAGAGGCCCGTGGAGGACAGCCACGGTGACGTGATCCGGCCCCTGCGG
AAGCAGGTGGAGCTGCTCTTCAACACACGATACGCCAAGGCCATTGGCATCTCGGAGCCCGTCAAGGTG
CCGTACTCCAAGTTTCTGATGCACCCGGAGGAGCTGTTTGTGGTGGGACTGCCTGAAGGCATCTCCCTC
CGCAGGCCCAACTGCTTCGGGATCGCCAAGCTCCGGAAGATTCTGGAGGCCAGCAACAGCATCCAGTTT
GTCATCAAGAGGCCCGAGCTGCTCACTGAGGGAGTCAAAGAGCCCATCATGGATAGTCAAGAGAGGGAT
TCCGGGGACCCTCTGGTGGACGAGAGCCTGAAGAGACAGGGCTTTCAAGAAAATTATGACGCGAGGCTC
TCACGGATCGACATCGCCAACACACTAAGGGAGCAGGTCCAGGACCTTTTCAATAAGAAATACGGGGAA
GCCTTGGGCATCAAGTACCCGGTCCAGGTCCCCTACAAGCGGATCAAGAGTAACCCCGGCTCCGTGATC
ATCGAGGGGCTGCCCCCAGGAATCCCGTTCCGAAAGCCCTGTACCTTCGGCTCCCAGAACCTGGAGAGG
ATTCTTGCTGTGGCTGACAAGATCAAGTTCACAGTCACCAGGCCTTTCCAAGGACTCATCCCAAAGCCT
GATGAAGATGACGCCAACAGACTCGGGGAGAAGGTGATCCTGCGGGAGCAGGTGAAGGAACTCTTCAAC
GAGAAATACGGTGAGGCCCTGGGCCTGAACCGGCCGGTGCTGGTCCCTTATAAACTAATCCGGGACAGC
CCAGACGCCGTGGAGGTCACGGGTCTGCCTGATGACATCCCCTTCCGGAACCCCAACACGTACGACATC
CACCGGCTGGAGAAGATCCTGAAGGCCCGAGAGCATGTCCGCATGGTCATCATTAACCAGCTCCAACCC
TTTGCAGAAATCTGCAATGATGCCAAGGTGCCAGCCAAAGACAGCAGCATTCCCAAGCGCAAGAGAAAG
CGGGTCTCGGAAGGAAATTCCGTCTCCTCTTCCTCCTCGTCTTCCTCTTCCTCGTCCTCTAACCCGGAT
TCAGTGGCATCGGCCAACCAGATCTCACTCGTGCAATGGCCAATGTACATGGTGGACTATGCCGGCCTG
AACGTGCAGCTCCCGGGACCTCTTAATTACTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001199207

Insert Size: 2931 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_001199207.1
RefSeq Size:	3522 bp
RefSeq ORF:	2931 bp
Locus ID:	9569
UniProt ID:	Q9UHL9
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal transcription factors
MW:	108 kDa
Gene Summary:	The protein encoded by this gene contains five GTF2I-like repeats and each repeat possesses a potential helix-loop-helix (HLH) motif. It may have the ability to interact with other HLH-proteins and function as a transcription factor or as a positive transcriptional regulator under the control of Retinoblastoma protein. This gene plays a role in craniofacial and cognitive development and mutations have been associated with Williams-Beuren syndrome, a multisystem developmental disorder caused by deletion of multiple genes at 7q11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010] Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (3).