GTF2IRD2 cDNA Clone – GTF2I Repeat Domain Containing 2 (Human)

PRODUCT OVERVIEW

Product Name	GTF2IRD2, cDNA Clone
Full Product Name	GTF2IRD2 cDNA Clone
Product Gene Name	GTF2IRD2 cdna clone
Sequence	atggcccagg tagcagtgtc caccctgcct gttgaagaag agtcctcctc agagaccagg atggtggtga cattcctcgt gtctgccctc gaatccatgt gtaaagaact ggccaagtcc aaggcagaag tggcctgcat cgcagtgtac gaaacagacg tgtttgtcgt cggaaccgag agaggatgcg cttttgttaa tgccaggacg gattttcaga aagattttgc aaaatactgc gttgcagagg gactgtgtga ggtgaaacct ccctgccctg tgaacgggat gcaggtccac tcgggcgaaa cggaaatact caggaaggca gtggaggact atttctgctt ttgttatggt aaagccttag ggacaacagt gatggtgcct gttccctatg agaagatgct gcgagaccag tcggctgtgg tagtgcaggg gcttccggaa ggcgttgcct ttcaacaccc tgagaattac gaccttgcaa ccctgaaatg gattttggag aacaaagcag ggatttcatt catcataaat agacccttcc taggaccaga gagtcagctg ggtggccctg ggatggtaac agatgcggag agatccatag tatcaccaag tgaaagctgc ggccccatca atgtgaaaac tgaacccatg gaagattctg gcatttcact gaaagcagaa gctgtctcag tcaagaaaga atcagaagat cctaattact atcaatataa tatgcaagga agccaccctt cttccacaag caatgaagta atagaaatgg aattaccaat ggaagattcc actccgctgg tcccttcaga agaaccaaat gaggaccctg aagccgaggt gaaaatcgaa ggaaacacaa attcatccag tgttacaaat tctgcagcag gtgttgaaga tcttaacatc gttcaagtga ctgttccaga taatgagaag gaaagattat caagcattga aaagattaaa cagctaagag aacaagttaa tgacctcttt agccgaaaat ttggtgaagc aattggcgtg gatttccctg tgaaagttcc ctacaggaag atcacattca accctggctg tgtggtgatt gatggcatgc ccccgggggt ggtattcaag gcccccggct atctggaaat cagttccatg aggaggatct tggaggcagc tgagtttatc aaattcacag tcatcaggcc gcttccaggg cttgagctca gtaatggact tttggaggcc ggggcaggag gattgcttga ggccgggagt ttgaggccag cctgggcaac atggcaagac cccatctcta caaaaaattt aaaaattagc tggaaacagt ggctcacacc tgtagcccca gctacttggc aggctgaagc gggaggatcg cttgaactca ggagtttgag acagcagaga accataattg caatactgca ctccagcctg ggtgacagaa caagaccctg tctctaa
Molecular Weight	57,245 Da
OMIM	608899
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GTF2IRD2 cdna clone	MBS1266776 is a cDNA clone targeting GTF2IRD2.
Other Notes	Small volumes of GTF2IRD2 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF2IRD2. It may not necessarily be applicable to this product.

NCBI GI #	45709284
NCBI GeneID	84163
NCBI Accession #	BC067859
UniProt Secondary Accession #	Q69G40; Q6EKI8; Q6EKI9; Q6NVW2; Q6P7N8; Q86WX4; Q8ND85; Q8NDE5; A8K5W6; B3KUZ2
UniProt Related Accession #	Q86UP8
NCBI Official Full Name	Homo sapiens GTF2I repeat domain containing 2, mRNA
NCBI Official Synonym Full Names	GTF2I repeat domain containing 2
NCBI Official Symbol	GTF2IRD2

NCBI Official Synonym Symbols	FP630; GTF2IRD2A; GTF2IRD2 alpha
UniProt Protein Name	General transcription factor II-I repeat domain-containing protein 2A
UniProt Synonym Protein Names	Transcription factor GTF2IRD2-alpha
Protein Family	General transcription factor II-I repeat domain-containing protein
UniProt Gene Name	GTF2IRD2
UniProt Synonym Gene Names	GTF2IRD2A; GTF2I repeat domain-containing protein 2A
UniProt Entry Name	GTD2A_HUMAN
NCBI Protein Information	general transcription factor II-I repeat domain-containing protein 2A
NCBI Summary for GTF2IRD2	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]
UniProt Comments for GTF2IRD2	GTF2IRD2: GTF2IRD2 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Belongs to the TFII-I family. 6 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 7q11.23
Research Articles on GTF2IRD2	**1.** We provide the first evidence for a role for GTF2IRD2 in higher-level (executive functioning) abilities and highlight the importance of integrating detailed molecular characterisation of patients with comprehensive neuropsychological profiling
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/gtf2ird2/1266776