

Recombinant Human GTF2IRD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GTF2IRD1-1663H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GTF2IRD1 MS Standard C13 and N15-labeled recombinant protein (NP_005676) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	104.5 kDa
AA Sequence	MALLGKRCDVPTNGCGPDRWNSAFTRKDEIITSLVSALDSMCSALSKLNAEVACVA VHDESAFVVGTEKGRMFLNARKELQSDFLRFCRGPWWDPEAEHPKKVQRGEGG GRSLPRSSLEHGSDVYLLRKMVEEVFDVLYSEALGRASVPLPYERLLREPGLLAVQ GLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLKRPLEDGGGRDSKALVELNGVSLIPK GSRDCGLHGQAPKVPPQDLPTATSSSMASFLYSTALPNHAIRELKQEAPSCPLAP

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SDLGLSRPMPEPKATGAQDFSDCCGQKPTGPGGPLIQNVHASKRILFSIVHDKSEK
 WDAFIKETEDINTLRECVQILFNSRYAEALGLDHMVPVPYRKIACDPEAVEIVGIPDKI
 PFKRPCTYGVPKLKRILEERHSIHFIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSA
 EVSRATVLDLGNARSDKGSMSSEDCGPGTSGELGGLRPIKIEPEDLDIIQVTVDPDS
 PTSEEMTDSMPGHLPSSEDSGYGMEMLTDKGLSEDARPEERPVEDSHGDVIRPLRK
 QVELLFNTRYAKAIGISEPVKVPYSKFLMHPEELFVVGLPEGISLRRPNCFGIAKLRI
 LEASNSIQFVIKRPELLTEGVKEPIMDSQERDSGDPLVDESLKRQGFQENYDARLSRI
 DIANTLREQVQDLFNKKYGEALGIKYPVQVPYKRIKSNPGSVIIEGLPPGIPFRKPCTF
 GSQNLERILAVADKIKFTVTRPFQGLIPKPDEDDANRLGEKVILREQVKELFNEKYGE
 ALGLNRPVLVPYKLIRDSPDAVEVTGLPDDIPFRNPNTYDIHRLEKILKAREHVRMVII
 NQLQPFAEICNDAKVPKDSIPKRKRKRVSSEGNSSSSSSSSSSSSSSSNPDSVASA
 NQISLVQWPMYMDYAGLNVQLPGPLNYTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GTF2IRD1 GTF2I repeat domain containing 1 [Homo sapiens (human)]

Official Symbol GTF2IRD1

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Synonyms

GTF2IRD1; GTF2I repeat domain containing 1; GTF2I repeat domain containing 1, WBSCR11; general transcription factor II-I repeat domain-containing protein 1; BEN; binding factor for early enhancer; Cream1; GTF3; MustRD1; RBAP2; WBSCR12; USE B1-binding protein; general transcription factor 3; general transcription factor III; slow-muscle-fiber enhancer-binding protein; Williams-Beuren syndrome chromosome region 11; williams-Beuren syndrome chromosomal region 12 protein; muscle TFII-I repeat domain-containing protein 1 alpha 1; WBS; CREAM1; MUSTRD1; WBSCR11; hMusTRD1alpha1;

Gene ID

9569

mRNA Refseq

NM_005685

Protein Refseq

NP_005676

MIM

604318

UniProt ID

Q9UHL9

SDS-PAGE
