Recombinant Human GTF2IRD1, His-tagged

Cat. No. GTF2IRD1-13602H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF2IRD1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	610-959a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	GTF2IRD1 GTF2I repeat domain containing 1 [Homo sapiens]
Official Symbol	GTF2IRD1
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_001199207
Protein Refseq	NP_001186136
MIM	604318
UniProt ID	Q9UHL9
Chromosome Location	7q11.23
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	DNA binding; sequence-specific DNA binding transcription factor activity; sequence-

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	specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;

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