

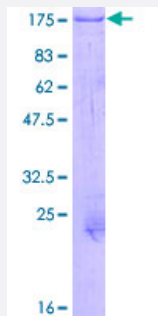
Full-Length

GTF2IRD1 (Human) Recombinant Protein (P02)

Catalog # H00009569-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GTF2IRD1 full-length ORF (AAH18136.1, 1 a.a. - 959 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALLGKRCDVPTNGCGPDRWNSAFTRKDEITSLSVSALDSMCSALSKLNAEVACVAVHDESAFV
VGTEKGRMFLNARKELQSDFLRFCRGPWKDPEAEHPKKVQRGEGGGRSLPRSSLEHGSDVY
LLRKMVEEVFDVLYSEALGRASVVPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILE
HSHRIRFKLRPLEDGGRDSKALVELNGVSLIPKGSRDCLHGQAPKVPPQDLPTATSSSMAS
FLYSTALPNHAIRELKQEAPSCPLAPSDLGLSRMPPEPKATGAQDFSDCCGQKPTGPGGGLIQN
VHASKRILFSVHDKSEKWDFAIKETEDINTLRECVQILFNSRYAEALGLDHMVPVPYRKIACDPEA
VEIVGIPDKIPFKRPCTYGVPKLKRILEERHSIHFIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSAE
VSRATVLDLAGNARSDKGSMSEDCGPGTSGELGGLRPIKIEPEDLDIIQVTVDPSPSTSEEMTDS
MPGHLPSSEDSGYGMEMLTDKGLSEARPEERPVEDSHGDVIRPLRKQVELLFNTRYAKAIGISEP
VKVPYSKFLMHPEELFVVGLPEGISLRRPNCFGIAKLRKILEASNSIQFVIKRELLTEGVKEPIVDS
QGTASSLGFSPPALPPERDSGDPLVDESLKRQGFQENYDARLSRIDIANTLREQVQDLFNKKYGE
ALGIKYPVQVPYKRIKSNPGSVIIEGLPPGIPFRKPCTFGSQNLERILAVADKIKFTVTRPFQGLIPKP
DEDDANRLGEKVILREQVKELFNEKYGEALGLNRPVLVPYKLIRDSPDAVEVTGLPDDIPFRNPNT
YDIHRLEKILKAREHVRMVIINQLQPFAEICNDAKVPKADSSIPKRKRKRKRVSEGNSSSSSSSSSSSS
SSNPDSVASANQISLVQWPMYMDYAGLNVQLPGPLNY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

132.4

Interspecies Antigen Sequence

Mouse (84); Rat (86)

Preparation Method[in vitro wheat germ expression system](#)**Purification**

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GTF2IRD1

Entrez GeneID[9569](#)**GeneBank Accession#**[BC018136.1](#)**Protein Accession#**[AAH18136.1](#)**Gene Name**

GTF2IRD1

Gene Alias

BEN, CREAM1, GTF3, MUSTRD1, RBAP2, WBS, WBSCR11, WBSCR12, hMusTRD1alpha1

Gene Description

GTF2I repeat domain containing 1

Omim ID[194050 604318](#)**Gene Ontology**[Hyperlink](#)

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 is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by deletion of multiple genes at 7q11.23. Alternative splicing of this gene generates at least 2 transcript variants. [provided by RefSeq]

Other Designations

GTF2I repeat domain-containing 1|Williams-Beuren syndrome chromosome region 11|binding factor for early enhancer|general transcription factor 3|muscle TFII-I repeat domain-containing protein 1 alpha 1

Pathway

- [Basal transcription factors](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)