

## Product datasheet for TP318834

### GTF2IRD1 (NM\_005685) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human GTF2I repeat domain containing 1 (GTF2IRD1), transcript variant 2, 20 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC218834 representing NM_005685<br>Red=Cloning site Green=Tags(s)                                    |

MALLGKRCDVPTNGCGPDRWNSAFTRKDEIITSLVSALDSMCSALSKLNAEVACVAVHDESAFWGTEKG  
RMFLNARKELQSDFLRFCRGPWKDPEAEHPKKVQRGEGGGRSLPRSSLEHGSDVYLLRKMVEEVFDVLY  
SEALGRASVWPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLRPLEDGGRD  
SKALVELNGVSLIPKGSRDCLHGQAPKVPPQDLPTATSSSMASFLYSTALPNHAIRELKQEAPSCPLA  
PSDLGLSRPMPEPKATGAQDFSDCCGQKPTGPGGLIQNVHASKRILFSIVHDKSEKWDFAKIKETEDINT  
LRECVQILFNSRYAEALGLDHMVPVYPYRKIACDPEAVEIVGIPDKIPFKRPTYGVPKLKRILEERHSIH  
FIIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSAEVS RATVLDLAGNARSDKGSMSSEDCGPGTSGELGG  
LRPIKIEPEDLDIIQVTPDPSPSTSEEMTDSMPGHLPSSEDSGYGMEMLTDKGLSEARPEERPVEDSHGD  
VIRPLRKQVELLFNTRYAKAIGISEPVKVPYKFLMHPEELFVGLPEGISLRRPNCFGIAKLRKILEAS  
NSIQFVIKREPELLTEGVKEPIMDSQERDSGDPLVDES LKRQGFQENYDARLSRIDIAN TLREQVQDLFNK  
KYGEALGIKYPVQVPYKRIKSNPGSVIIIEGLPPGIPFRKPCTFGSQNLERILAVADKIKFTVTRPFQGLI  
PKPDEDDANRLGEKVILREQVKELFNEKYGEALGLNRPVLPYKLRDSDPAVEVTGLPDDIPFRNPNTY  
DIHRLEKILKAREHVRMVIINQLQPFAEICNDAKVPKADSSIPKRKRKRKRVSEGNVSSSSSSSSSSSSNP  
DSVASANQISLVQWPMYMDYAGLNVQLPGPLNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

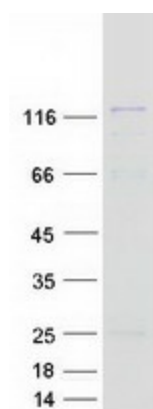
|                |   |
|----------------|---|
| Tag:           | C-Myc/DDK   |
| Predicted MW:  | 104.5 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method          |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol        |



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|                          |  |
|--------------------------|--|
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| <b>Storage:</b>          | Store at -80°C.  |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <u>NP_005676</u>   |
| <b>Locus ID:</b>         | 9569   |
| <b>UniProt ID:</b>       | <u>Q9UHL9</u>  |
| <b>RefSeq Size:</b>      | 3078   |
| <b>Cytogenetics:</b>     | 7q11.23  |
| <b>RefSeq ORF:</b>       | 2832   |
| <b>Synonyms:</b>         | BEN; CREAM1; GTF3; hMusTRD1alpha1; MUSTRD1; RBAP2; WBS; WBSER11; WBSER12   |
| <b>Summary:</b>          | 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] |
| <b>Protein Families:</b> | Druggable Genome, Transcription Factors  |
| <b>Protein Pathways:</b> | Basal transcription factors  |

### Product images:



Coomassie blue staining of purified GTF2IRD1 protein (Cat# TP318834). The protein was produced from HEK293T cells transfected with GTF2IRD1 cDNA clone (Cat# [RC218834]) using MegaTran 2.0 (Cat# [TT210002]).