

## Product datasheet for TP318834L

### 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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218834 representing NM_005685 Red=Cloning site Green=Tags(s)

MALLGKRCDVPTNGCGPDRWNSAFTRKDEIITSLVSALDSMCSALSKLNAEVACVAVHDESAFWGTEKG  
RMFLNARKELQSDFLRFCRGPWWDPEAEHPKKVQRGEGGGRSLPRSSLEHGSDVYLLRKMVEEVFDVLY  
SEALGRASVWPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLRPLEDGGGRD  
SKALVELNGVSLIPKGSRDCLHGQAPKVPPQDLPTATSSSMASFLYSTALPNHAIRELKQEAPSCPLA  
PSDLGLSRPMPEPKATGAQDFSDCCGQKPTGPGGLIQNVHASKRILFSIVHDKSEKWDAFIKETEDINT  
LRECVQILFNSRYAEALGLDHMVPVYPYRKIACDPEAVEIVGIPDKIPFKRPTYGVPKLKRILEERHSIH  
FIIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSAEVS RATVLDLAGNARSDKGSMSSEDCGPGTSGELGG  
LRPIKIEPEDLDIIQVTPDPSPSTSEEMTDSMPGHLPSEDSGYGMEMLTDKGLSEARPEERPVEDSHGD  
VIRPLRKQVELLFNTRYAKAIGISEPVKVPYSKFLMHPEELFVGLPEGISLRRPNCFGIAKLRKILEAS  
NSIQFVIKREPELLTEGVKEPIMDSQERDSGDPLVDES LKRQGFQENYDARLSRIDIAN TLREQVQDLFNK  
KYGEALGIKYPVQVPYKRIKSNPGSVIIIEGLPPGIPFRKPCTFGSQNLERILAVADKIKFTVTRPFQGLI  
PKPDEDDANRLGEKVILREQVKELFNEKYGEALGLNRPVLPYKLRDSDPAVEVTGLPDDIPFRNPNTY  
DIHRLEKILKAREHVRMVIINQLQPFAEICNDAKVPKADSSIPKRKRKRVS EGNVSSSSSSSSSSSSSNP  
DSVASANQISLVQWPMYMDYAGLNVQLPGPLNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

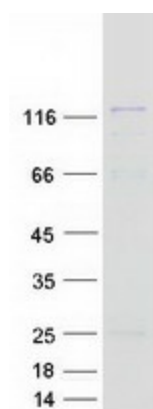
Tag:	C-Myc/DDK
Predicted MW:	104.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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]).