

Product datasheet for PH302128

GTF2IRD1 (NM_016328) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GTF2IRD1 MS Standard C13 and N15-labeled recombinant protein (NP_057412)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202128
Predicted MW:	106 kDa
Protein Sequence:	>RC202128 protein sequence Red=Cloning site Green=Tags(s)

MALLGKRCDVPTNGCGPDRWNSAFTRKDEIITSLVSALDSMCSALSKLNAEVACVAVHDESFAVVGTEKG
RMFLNARKELQSDFLRFRCRPPWKDPEAEHPKKVQRGEGGGRSLPRSSLEHGSDVYLLRKMVEEVFDVLY
SEALGRASVVPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLRPLEDGGRD
SKALVELNGVSLIPKGSRDCLHGQAPKVPQDLPTATSSSMASFLYSTALPNHAIRELKQEAPSCPLA
PSDLGLSRMPPEPKATGAQDFSDCCGQKPTGGGPLIQNVHASKRILFSIVHDKSEKWDFAIKETEDINT
LRECVQILFNSRYAEALGLDHMPVPYRKIACDPEAVEIVGIPDKIPFKRPCTYGVPKLRILEERHSIH
FIIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSAEVSRAATVLDLAGNARSDKGSMEDECGPGTSGELGG
LRPIKIEPEDLDIIQVTVPDPSPTSEEMTDSMPGHLPEDESGYGMEMLTDKGLSEDARPEERPVEDSHGD
VIRPLRQVVELLFNTRYAKAIGISEPVKVPYSKFLMHPEELFVVGLEPISLRRPNCFGIAKLRKILEAS
NSIQFVIKPELLTEGVKEIVDSQGTASSLGFSPALPPERDSGDPLVDESLEKROGFQENYDARLSRID
IANTLREQVQDLFNKYGALGIKYPVQVPYKRIKSNPGSVIIIEGLPPGIPFRKPCFTFGSQNLERILAVA
DKIKFTVTRPFQGLIPKPEDDANRLGEKVIHQVKEKELFNEKYGEALGLNRPVLPYKLRDSDPAVEV
TGLPDDIPFRNPNTYDIHREKILKAREHVRMVIINQLQPF AEICNDAKVPKADSSIPKRKRKRVSEGNS
VSSSSSSSSSSSNPDSVASANQISLVQWPMYMDYAGLNVQLPGPLNY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_057412](#)

RefSeq Size: 3471

RefSeq ORF: 2877

Synonyms: BEN; CREAM1; GTF3; hMusTRD1alpha1; MUSTRD1; RBAP2; WBS; WBSCR11; WBSCR12

Locus ID: 9569

UniProt ID: [Q9UHL9](#)

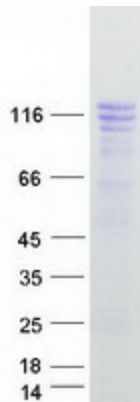
Cytogenetics: 7q11.23

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 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]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Basal transcription factors

Product images:



Coomassie blue staining of purified GTF2IRD1 protein (Cat# [TP302128]). The protein was produced from HEK293T cells transfected with GTF2IRD1 cDNA clone (Cat# [RC202128]) using MegaTran 2.0 (Cat# [TT210002]).