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Product datasheet for PH318834

GTF2IRD1 (NM_005685) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GTF2IRD1 MS Standard C13 and N15-labeled recombinant protein (NP_005676)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218834
Predicted MW:	104.5 kDa
Protein Sequence:	>RC218834 representing NM_005685 Red=Cloning site Green=Tags(s) MALLGKRCDVPTNGCGPDRWNSAFTRKDEIITSLVSALDSMCSALSKLNAEVACVAVHDESAFVVGTEKG RMFLNARKELQSDFLRFCRGPPWKDPEAEHPKKVQRGEGGGRSLPRSSLEHGSDVYLLRKMVEEVFDVLY SEALGRASVVPLPYERLLREPGLLAVQGLPEGLAFRRPAEYDPKALMAILEHSHRIRFKLKRPLEDGGRD SKALVELNGVSLIPKGSRDCGLHGQAPKVPPQDLPPTATSSSMASFLYSTALPNHAIRELKQEAPSCPLA PSDLGLSRPMPEPKATGAQDFSDCCGQKPTGPGGPLIQNVHASKRILFSIVHDKSEKWDAFIKETEDINT LRECVQILFNSRYAEALGLDHMVPVPYRKIACDPEAVEIVGIPDKIPFKRPCTYGVPKLKRILEERHSIH FIIKRMFDERIFTGNKFTKDTTKLEPASPPEDTSAEVSRATVLDLAGNARSDKGSMSEDCGPGTSGELGG LRPIKIEPEDLDIIQVTVPDPSPTSEEMTDSMPGHLPSEDSGYGMEMLTDKGLSEDARPEERPVEDSHGD VIRPLRKQVELLFNTRYAKAIGISEPVKVPYSKFLMHPEELFVVGLPEGISLRRPNCFGIAKLRKILEAS NSIQFVIKRPELLTEGVKEPIMDSQERDSGDPLVDESLKRQGFQENYDARLSRIDIANTLREQVQDLFNK KYGEALGIKYPVQVPYKRIKSNPGSVIIEGLPPGIPFRKPCTFGSQNLERILAVADKIKFTVTRPFQGLI PKPDEDDANRLGEKVILREQVKELFNEKYGEALGLNRPVLVPYKLIRDSPDAVEVTGLPDDIPFRNPNTY DIHRLEKILKAREHVRMVIINQLQPFAEICNDAKVPAKDSSIPKRKRKRVSEGNSVSSSSSSSSSSSNP DSVASANQISLVQWPMYMVDYAGLNVQLPGPLNY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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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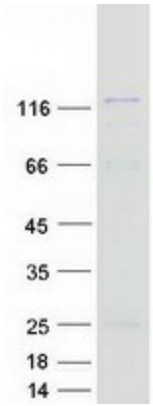
RefSeq:	NP_005676
RefSeq Size:	3078
RefSeq ORF:	2832
Synonyms:	BEN; CREAM1; GTF3; hMusTRD1alpha1; MUSTRD1; RBAP2; WBS; WBSCR11; WBSCR12
Locus ID:	9569
UniProt ID:	Q9UHL9
Cytogenetics:	7q11.23
Summary:	The protein encoded by this gene contains five GTF2I-like repeats and each repeat possesses a potential 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# [TP318834]). The protein was produced from HEK293T cells transfected with GTF2IRD1 cDNA clone (Cat# [RC218834]) using MegaTran 2.0 (Cat# [TT210002]).