

Datasheet for ABIN7565082

## GTF2IRD1 Protein (AA 1-1104) (His tag)



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### Overview

Quantity:	1 mg
Target:	GTF2IRD1
Protein Characteristics:	AA 1-1104
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GTF2IRD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Gtf2ird1 Protein expressed in mammalian cells.
Sequence:	<p>MALLGKHCDI PTNGCGSERW NSTFARKDEL INSLVSALDS MCSALSKLNT EVACVAVHNE</p> <p>SVFVMGTEKG RVFLNTRKEL QSDFLRFCRG PLWNDPEAGH PPKVQRCEGG GRSLPRSSLE</p> <p>QCSDVYLLQK MVEEVFDVLY SEAMGRATTV PLPYERLLRE PGLLAVQGLP EGLAFRRPAE</p> <p>YDPKALMAIL EHSRIRFKL RRPDDGGQD TKALVEMNGI SLLPKGSRDC GLHGQASKVA</p> <p>PQDLTPTATP SSMANFLYST SMPNHTIREL KQEVPTCPLT PSDLGMGWPV PEPHVPSTQD</p> <p>FSDCCGQTPA GPAGPLIQNV HASKRILFSI VHDKSEKWDP FIKEMEDINT LRECVQILFN</p> <p>SRYAEALGLD HMVPVPYRKI ACDPEAVEIV GIPDKIPFKR PCTYGVPKLK RILEERHSIH</p> <p>FIKRMFDER IFTGNKFTKD PMKLEPASPP EDTSTEVCRD SMLDLAGTAW SDMSSVSEDC</p> <p>GPGTSGEIAM LRPIKIEPEE LDIIQVTVSD PSPTSEEMTD SLPGHLPSGD SGYGMEMPAD</p> <p>KGPSEEPWSE ERPAEESPGD VIRPLRKQVE MLFNTKYAKA IGTSEPVKVP YSKFLMHPEE</p> <p>LFVLGLPEGI SLRRPNCFGI AKLRKILEAS NSIQFVIKRP ELLTDGVKEP VLDTQERDSW</p>

DRLVDETPKR QGLQENYNTR LSRIDIANL REQVQDLFNK KYGEALGIKY PVQVPYKRIK  
SNPGSVIIEG LPPGIPFRKP CTFGSQNLER ILSVADKIKF TVTRPFQGLI PKPETKILTT  
GHEAGKTRRP RRLQQDTWQP DEDDANRLGE KVILREQVKE LFNEKYGEAL GLNRPVLVPY  
KLIRDSPDAV EVKGLPDDIP FRNPNTYDIH RLEKILKARE HVRMVIINQL QPFAEVCNDP  
KVPEEDDSNK LGKKVILREQ VKELFNEKYG EALGLNRPVL VPKLIRDSP DAVEVKGLPD  
DIPFRNPNTY DIHRLEKILK AREHVRMVII NQLQPFGDVC NNAKVPAKDN IPKRKRKRVS  
EGNSVSSSSS SSSSSSNPES VASTNQISLV VKSRGSELHP NSVWPLPLPR AGPSTAPGTG  
RHWALRGTP TTEGQAHPLV LPTR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

GTF2IRD1

Alternative Name:

Gtf2ird1 ([GTF2IRD1 Products](#))

Background:

General transcription factor II-I repeat domain-containing protein 1 (GTF2I repeat domain-containing protein 1) (Binding factor for early enhancer),FUNCTION: May be a transcription regulator involved in cell-cycle progression and skeletal muscle differentiation. May repress

## Target Details

GTF2I transcriptional functions, by preventing its nuclear residency, or by inhibiting its transcriptional activation. May contribute to slow-twitch fiber type specificity during myogenesis and in regenerating muscles. Binds troponin I slow-muscle fiber enhancer (USE B1). Binds specifically and with high affinity to the EFG sequences derived from the early enhancer of HOXC8. {ECO:0000269|PubMed:11438732}.

Molecular Weight: 123.5 kDa

UniProt: [Q9JI57](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months