

Datasheet for ABIN7554073

GTF2IRD1 Protein (AA 1-959) (His tag)



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Overview

Quantity:	1 mg
Target:	GTF2IRD1
Protein Characteristics:	AA 1-959
Origin:	Human
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>MALLGKRCDV PTNGCGPDRW NSAFTRKDEI ITSLVSALDS MCSALSKLNA EVACVAVHDE</p> <p>SAFVVGTEKG RMFLNARKEL QSDFLRFCRG PPWKDPEAEH PPKVQRGEGG GRSLPRSSLE</p> <p>HGSDVYLLRK MVEEVFDVLY SEALGRASVV PLPYERLLRE PGLLAVQGLP EGLAFRRPAE</p> <p>YDPKALMAIL EHSRIRFKL KRPLEDGGRD SKALVELNGV SLIPKGSRDC GLHGQAPKVP</p> <p>PQDLPTATS SSMAFLYST ALPNHAIREL KQEAPSCPLA PSDLGLSRPM PEPKATGAQD</p> <p>FSDCCGQKPT GPGGPLIQNV HASKRILFSI VHDKSEKWD AFIKETEDINT LRECVQILFN</p> <p>SRYAEALGLD HMVPVPYRKI ACDPEAVEIV GIPDKIPFKR PCTYGVPKLK RILEERHSIH</p> <p>FIKRMFDER IFTGNKFTKD TTKLEPASPP EDTSAEVSRA TVLDLAGNAR SDKGSMSEDC</p> <p>GPGTSGELGG LRPIKIEPED LDIIQVTPD PSPTSEEMTD SMPGHLPSD SGYGMEMLT D</p> <p>KGLSEDARPE ERPVEDSHGD VIRPLRKQVE LLFNTRYAKA IGISEPVKVP YSKFLMHPEE</p> <p>LFVVG LPEGI SLRRPNCFGI AKLRKILEAS NSIQFVIKRP ELLTEGVKEP IMDSQGTASS</p>

Product Details

LGFSPPALPP ERDSGDPLVD ESLKRQGFQE NYDARLSRID IANTLREQVQ DLFNKKYGEA
LGIKYPVQVP YKRIKSNPGS VIIEGLPPGI PFRKPCTFGS QNLERILAVA DKIKFTVTRP
FQGLIPKPDE DDANRLGEKV ILREQVKELF NEKYGEALGL NRPVLVPYKL IRDSPDAVEV
TGLPDDIPFR NPNTYDIHRL EKILKAREHV RMVIINQLQP FAEICNDAKV PAKDSSIPKR
KRKRVSEGENS VSSSSSSSSS SSSNPDSVAS ANQISLVQWP MYMVDYAGLN VQLPGPLNY

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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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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) (General transcription factor III) (MusTRD1/BEN) (Muscle TFII-I repeat domain-containing protein 1) (Slow-muscle-fiber enhancer-binding protein) (USE B1-binding protein) (Williams-Beuren syndrome chromosomal region 11 protein) (Williams-Beuren syndrome chromosomal region 12 protein),FUNCTION: May be a transcription regulator

Target Details

involved in cell-cycle progression and skeletal muscle differentiation. May repress 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 (By similarity). {ECO:0000250, ECO:0000269|PubMed:11438732}.

Molecular Weight: 106.1 kDa

UniProt: [Q9UHL9](#)

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