

**GTF2IRD1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18120a****Specification**

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**GTF2IRD1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9UHL9](#)**GTF2IRD1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9569**Other Names**

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, GTF2IRD1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GTF2IRD1 Antibody (N-term) Blocking Peptide - Protein Information****Name** GTF2IRD1**Synonyms** CREAM1, GTF3, MUSTRD1, RBAP2, WBSCR11, W**Function**

May be a transcription regulator 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).

**Cellular Location**

Nucleus.

**Tissue Location**

Highly expressed in adult skeletal muscle, heart, fibroblast, bone and fetal tissues. Expressed at

lower levels in all other tissues tested

### **GTF2IRD1 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **GTF2IRD1 Antibody (N-term) Blocking Peptide - Images**

### **GTF2IRD1 Antibody (N-term) Blocking Peptide - Background**

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].

### **GTF2IRD1 Antibody (N-term) Blocking Peptide - References**

Antonell, A., et al. J. Med. Genet. 47(5):312-320(2010) Palmer, S.J., et al. J. Biol. Chem. 285(7):4715-4724(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Dai, L., et al. Am. J. Med. Genet. A 149A (3), 302-314 (2009) :Lazebnik, M.B., et al. J. Biol. Chem. 283(17):11078-11082(2008)