

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

GTF2IRD1 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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)