

**GCFC Blocking Peptide (Center)**  
Synthetic peptide  
Catalog # BP1954c**Specification**

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**GCFC Blocking Peptide (Center) - Product Information**Primary Accession [O9Y5B6](#)  
Other Accession [P58501](#)**GCFC Blocking Peptide (Center) - Additional Information**

Gene ID 94104

**Other Names**

PAX3- and PAX7-binding protein 1, GC-rich sequence DNA-binding factor 1, PAXBP1, C21orf66, GCFC, GCFC1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 484~498 of HUMAN PAXBP1

**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.

**GCFC Blocking Peptide (Center) - Protein Information**

Name PAXBP1

Synonyms C21orf66, GCFC, GCFC1

**Function**

Adapter protein linking the transcription factors PAX3 and PAX7 to the histone methylation machinery and involved in myogenesis. Associates with a histone methyltransferase complex that specifically mediates dimethylation and trimethylation of 'Lys-4' of histone H3. Mediates the recruitment of that complex to the transcription factors PAX3 and PAX7 on chromatin to regulate the expression of genes involved in muscle progenitor cells proliferation including ID3 and CDC20.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P58501}.

**Tissue Location**

Ubiquitous..

## **GCFC Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **GCFC Blocking Peptide (Center) - Images**

## **GCFC Blocking Peptide (Center) - Background**

Partial homology to a transcriptional repressor and histone-interacting protein suggests that GCFC is involved in the regulation of transcription. It GCFC binds to the GC-rich sequences (5'-gcggggc-3') present in the epidermal growth factor receptor, beta-actin, and calcium-dependent protease promoters.

## **GCFC Blocking Peptide (Center) - References**

Reymond, A., et al., Genomics 78 (1-2), 46-54 (2001).  
Slavov, D., et al., Gene 247 (1-2), 215-232 (2000).