10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GCFC Blocking Peptide (Center)

Synthetic peptide
Catalog # BP1954c

Specification

GCFC Blocking Peptide (Center) - Product Information

Primary Accession	Q9Y5B6
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 (By similarity).

Cellular Location
Nucleus.

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).