

GCM1 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP7268a

Specification

GCM1 Blocking Peptide (N-term) - Product Information

Primary Accession

[P70348](#)

Other Accession

[O9Z288](#), [NP_032129](#)**GCM1 Blocking Peptide (N-term) - Additional Information**

Gene ID 14531

Other Names

Chorion-specific transcription factor GCMa, GCM motif protein 1, mGCM1, mGCMa, Glial cells missing homolog 1, Gcm1, Gcma

Target/Specificity

The synthetic peptide sequence is selected from aa 1-17 of MOUSE Gcm1

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.

GCM1 Blocking Peptide (N-term) - Protein Information

Name Gcm1

Synonyms Gcma

Function

Transcription factor that is necessary for placental development (PubMed:8962155). Involved in the control of expression of placental growth factor (PGF) and other placenta-specific genes. Binds to the trophoblast-specific element 2 (TSE2) of the aromatase gene enhancer. Binds to the SYDE1 promoter. Has a central role in mediating the differentiation of trophoblast cells along both the villous and extravillous pathways in placental development (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00245}.

Tissue Location

Placenta specific..

GCM1 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

GCM1 Blocking Peptide (N-term) - Images

GCM1 Blocking Peptide (N-term) - Background

GCM1 is a DNA-binding protein with a gcm-motif (glial cell missing motif). This protein is a homolog of the Drosophila glial cells missing gene (gcm). It binds to the GCM-motif (A/G)CCCGCAT, a novel sequence among known targets of DNA-binding proteins. The N-terminal DNA-binding domain confers the unique DNA-binding activity of this protein.

GCM1 Blocking Peptide (N-term) - References

Altshuller,Y., FEBS Lett. 393 (2-3), 201-204 (1996)