

PGBD3 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20096A**Specification**

PGBD3 Blocking Peptide (N-term) - Product Information

Primary Accession [Q8N328](#)
Other Accession [NP_736609.2](#)

PGBD3 Blocking Peptide (N-term) - Additional Information

Gene ID 267004

Other Names

PiggyBac transposable element-derived protein 3, PGBD3

Target/Specificity

The synthetic peptide sequence is selected from aa 36-49 of HUMAN PGBD3

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.

PGBD3 Blocking Peptide (N-term) - Protein Information

Name PGBD3

Function

Binds in vitro to PGBD3-related transposable elements, called MER85s; these non-autonomous 140 bp elements are characterized by the presence of PGBD3 terminal inverted repeats and the absence of internal transposase ORF.

Cellular Location

Nucleus.

Tissue Location

Expressed in heart and oocytes, but not in granulosa cells (at protein level).

PGBD3 Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

PGBD3 Blocking Peptide (N-term) - Images

PGBD3 Blocking Peptide (N-term) - Background

The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, *Trichoplusia ni*. This family also includes genes in several genomes, including human, that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene overlaps with the ERCC6 gene on chromosome 10, and pseudogenes of this locus have been found on chromosomes 4, 5 and 12.

PGBD3 Blocking Peptide (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Newman, J.C., et al. PLoS Genet. 4 (3), E1000031 (2008) :
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Sarkar, A., et al. Mol. Genet. Genomics 270(2):173-180(2003)