

**ACP5 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP20031a****Specification**

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**ACP5 Blocking Peptide (N-term) - Product Information**

Primary Accession [P13686](#)  
Other Accession [NP\\_001602.1](#)

**ACP5 Blocking Peptide (N-term) - Additional Information**

**Gene ID** 54

**Other Names**

Tartrate-resistant acid phosphatase type 5, TR-AP, Tartrate-resistant acid ATPase, TrATPase, Type 5 acid phosphatase, ACP5

**Target/Specificity**

The synthetic peptide sequence is selected from aa 90-101 of HUMAN ACP5

**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.

**ACP5 Blocking Peptide (N-term) - Protein Information**

**Name** ACP5

**Function**

Involved in osteopontin/bone sialoprotein dephosphorylation. Its expression seems to increase in certain pathological states such as Gaucher and Hodgkin diseases, the hairy cell, the B-cell, and the T- cell leukemias.

**Cellular Location**

Lysosome.

**ACP5 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

#### **ACP5 Blocking Peptide (N-term) - Images**

#### **ACP5 Blocking Peptide (N-term) - Background**

This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. [provided by RefSeq].

#### **ACP5 Blocking Peptide (N-term) - References**

Shih, K.C., et al. Metab. Clin. Exp. 59(1):144-151(2010)  
Wu, Y.Y., et al. BMC Cancer 10, 158 (2010) :  
Baranzini, S.E., et al. Hum. Mol. Genet. 18(4):767-778(2009)  
Qin, Y.J., et al. Acta Pharmacol. Sin. 29(12):1493-1498(2008)  
de Souza Malaspina, T.S., et al. J. Mol. Histol. 39(6):627-634(2008)