

ACP5 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20031a

Specification

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)