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HPS5 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20048a

Specification

HPS5 Blocking Peptide (N-term) - Product Information

Primary Accession	Q9UPZ3
Other Accession	NP_009147.3

HPS5 Blocking Peptide (N-term) - Additional Information

Gene ID 11234

Other Names
Hermansky-Pudlak syndrome 5 protein, Alpha-integrin-binding protein 63, Ruby-eye protein 2 homolog, Ru2, HPS5, AIBP63, KIAA1017

Target/Specificity
The synthetic peptide sequence is selected from aa 103-116 of HUMAN HPS5

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.

HPS5 Blocking Peptide (N-term) - Protein Information

Name HPS5

Synonyms AIBP63, KIAA1017

Function
May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules. Regulates intracellular vesicular trafficking in fibroblasts. May be involved in the regulation of general functions of integrins.

Cellular Location
Cytoplasm, cytosol.

Tissue Location
Widely expressed. Isoform 1:Highly expressed in lungs and testis. Isoform 2:Highly expressed in placenta, kidney, testis ovary, lung and thymus.

HPS5 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

HPS5 Blocking Peptide (N-term) - Images

HPS5 Blocking Peptide (N-term) - Background

This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. This protein interacts with Hermansky-Pudlak syndrome 6 protein and may interact with the cytoplasmic domain of integrin, alpha-3. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 5. Multiple transcript variants encoding two distinct isoforms have been identified for this gene.

HPS5 Blocking Peptide (N-term) - References

Helip-Wooley, A., et al. J. Invest. Dermatol. 127(6):1471-1478(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Huizing, M., et al. Platelets 18(2):150-157(2007)
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