

**NAGS Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21812c****Specification**

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**NAGS Blocking Peptide (Center) - Product Information**

Primary Accession [Q8N159](#)

**NAGS Blocking Peptide (Center) - Additional Information**

**Gene ID** 162417

**Other Names**

N-acetylglutamate synthase, mitochondrial, Amino-acid acetyltransferase, N-acetylglutamate synthase long form, N-acetylglutamate synthase short form, N-acetylglutamate synthase conserved domain form, NAGS

**Target/Specificity**

The synthetic peptide sequence is selected from aa 295-309 of HUMAN NAGS

**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.

**NAGS Blocking Peptide (Center) - Protein Information**

**Name** NAGS

**Function**

Plays a role in the regulation of ureagenesis by producing the essential cofactor N-acetylglutamate (NAG), thus modulating carbamoylphosphate synthase I (CPS1) activity.

**Cellular Location**

Mitochondrion matrix

**Tissue Location**

Highly expressed in the adult liver, kidney and small intestine. Weakly expressed in the fetal liver, lung, pancreas, placenta, heart and brain tissue.

**NAGS Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

#### **NAGS Blocking Peptide (Center) - Images**

#### **NAGS Blocking Peptide (Center) - Background**

Plays a role in the regulation of ureagenesis by producing the essential cofactor N-acetylglutamate (NAG), thus modulating carbamoylphosphate synthase I (CPSI) activity.

#### **NAGS Blocking Peptide (Center) - References**

Haeberle J., et al. Hum. Mutat. 21:593-597(2003).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Caldovic L., et al. Biochem. Biophys. Res. Commun. 299:581-586(2002).  
Zhao G., et al. PLoS ONE 8:E70369-E70369(2013).  
Schmidt E., et al. Biochim. Biophys. Acta 1740:54-59(2005).