

Mouse Noto Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21141a

Specification

Mouse Noto Blocking Peptide (C-term) - Product Information

Primary Accession

[Q5TIS6](#)**Mouse Noto Blocking Peptide (C-term) - Additional Information**

Gene ID 384452

Other Names

Homeobox protein notochord, Noto, Not

Target/Specificity

The synthetic peptide sequence is selected from aa 200-214 of HUMAN Noto

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.

Mouse Noto Blocking Peptide (C-term) - Protein Information

Name Noto

Synonyms Not

Function

Transcription factor that controls node morphogenesis (PubMed:15231714, PubMed:17884984, PubMed:18061569, PubMed:22357932). Acts downstream of both FOXA2 and Brachyury (T) during notochord development (PubMed:15231714). Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning; acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function (PubMed:17884984). Plays a role in regulating axial versus paraxial cell fate (PubMed:18061569). Activates the

transcription of ciliary proteins C11orf97 homolog, FAM183B and SPACA9 in the embryonic ventral node (PubMed:27914912).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Mouse Noto Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

Mouse Noto Blocking Peptide (C-term) - Images**Mouse Noto Blocking Peptide (C-term) - Background**

Transcription regulator acting downstream of both FOXA2 and T during notochord development. Required for node morphogenesis. Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning; acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function. Plays a role in regulating axial versus paraxial cell fate.

Mouse Noto Blocking Peptide (C-term) - References

Ben Abdelkhalek H.,et al.Genes Dev. 18:1725-1736(2004).
Carninci P.,et al.Science 309:1559-1563(2005).
Yamanaka Y.,et al.Dev. Cell 13:884-896(2007).
Beckers A.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:15765-15770(2007).