10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

(DANRE) dlc Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21638b

Specification

(DANRE) dlc Blocking Peptide (C-Term) - Product Information

Primary Accession Q9IAT6

(DANRE) dlc Blocking Peptide (C-Term) - Additional Information

Gene ID 30120

Other Names
Delta-like protein C, DeltaC, delC, dlc

Target/Specificity
The synthetic peptide sequence is selected from aa 557-571 of HUMAN dlc

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.

(DANRE) dlc Blocking Peptide (C-Term) - Protein Information

Name dlc

Function
Acts as a ligand for Notch receptors and is involved in somitogenesis. Can activate Notch receptors. Required in somite segmentation to keep the oscillations of neighboring presomitic mesoderm cells synchronized.

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Strongly expressed in the early retina, where it precedes other delta proteins. Also expressed in cranial ganglia, in sensory epithelia including ear and lateral line and in scattered epidermal cells. In the mesoderm, expression is visible by 50% epiboly; it is expressed subsequently in the tail bud, in stripes in the presomitic mesoderm and in the posterior half of each somite. Also expressed in notochord, blood vessels and pronephros. In contrast to other delta proteins, it is not expressed in the majority of nascent primary neurons. In somites, it marks the posterior part of each formed somite, while deltaD (dld) marks the anterior part

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(DANRE) dlc Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

(DANRE) dlc Blocking Peptide (C-Term) - Images

(DANRE) dlc Blocking Peptide (C-Term) - Background

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(DANRE) dlc Blocking Peptide (C-Term) - References

Smithers L.E.,et al.Mech. Dev. 90:119-123(2000).
Jiang Y.-J.,et al.Nature 408:475-479(2000).