

Mouse Pax6 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21089a**Specification****Mouse Pax6 Blocking Peptide (C-term) - Product Information**

Primary Accession [P63015](#)
Other Accession [P55864](#), [P63016](#),
[P26367](#), [P26630](#),
[P47237](#), [Q1LZF1](#)

Mouse Pax6 Blocking Peptide (C-term) - Additional Information

Gene ID 18508

Other Names

Paired box protein Pax-6, Oculorhombin,
Pax6, Pax-6, Sey

Target/Specificity

The synthetic peptide sequence is selected from aa 404-416 of HUMAN Pax6

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 Pax6 Blocking Peptide (C-term) - Protein Information

Name Pax6

Synonyms Pax-6, Sey

Function

Transcription factor with important

Mouse Pax6 Blocking Peptide (C-term) - Background

Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells. Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity).

Mouse Pax6 Blocking Peptide (C-term) - References

Walther C.,et al.Development 113:1435-1449(1991).
Favor J.,et al.Genetics 159:1689-1700(2001).
Carninci P.,et al.Science 309:1559-1563(2005).
Walther C.,et al.Genomics 11:424-434(1991).
Ton C.C.T.,et al.Genomics 13:251-256(1992).

functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells (PubMed:9163426). Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). Acts as a transcriptional repressor of NFATC1-mediated gene expression (PubMed:23990468).

Cellular Location

Nucleus. [Isoform 3]: Nucleus. Cytoplasm

Tissue Location

Expressed in osteoclasts. [Isoform 3]: Dominant isoform expressed in the eye, including in the retina and cornea (PubMed:21084637). Weakly expressed in the lens epithelium (PubMed:21084637)

Mouse Pax6 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)