

**Zebrafish pou5f1 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21581c**

**Specification**

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**Zebrafish pou5f1 Blocking Peptide (Center) - Product Information**

Primary Accession [Q90270](#)

**Zebrafish pou5f1 Blocking Peptide (Center) - Additional Information**

**Gene ID** 30333

**Other Names**

POU domain, class 5, transcription factor 1, POU domain protein 2, pou5f1, gp-9, pou-2, pou2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 141-157 of HUMAN pou5f1

**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.

**Zebrafish pou5f1 Blocking Peptide (Center) - Protein Information**

**Name** pou5f1

**Synonyms** gp-9, pou-2, pou2

**Function**

Involved in early development of embryos, especially in the process of gastrulation. May play an important role in establishing and specifying rhombomeric segments. Seems to be required to maintain the cells in a highly undifferentiated state. In contrast to POU2, T-POU2 lacks DNA-binding activity because of its incomplete pou domain structure. Overexpression of POU2 does not have any effect on development, whereas overexpression of t-POU2 causes developmental retardation or arrest before gastrulation.

**Cellular Location**

Nucleus.

**Zebrafish pou5f1 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

#### **Zebrafish pou5f1 Blocking Peptide (Center) - Images**

#### **Zebrafish pou5f1 Blocking Peptide (Center) - Background**

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#### **Zebrafish pou5f1 Blocking Peptide (Center) - References**

Takeda H., et al. Genes Dev. 8:45-59(1994).

Hauptmann G., et al. Mech. Dev. 51:127-138(1995).