

**ZNF423 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP20776c

**Specification**

---

**ZNF423 Blocking Peptide (Center) - Product Information**

Primary Accession

[Q2M1K9](#)

Other Accession

[O08961](#), [Q80TS5](#)**ZNF423 Blocking Peptide (Center) - Additional Information****Gene ID** 23090**Other Names**

Zinc finger protein 423, Olf1/EBF-associated zinc finger protein, hOAZ, Smad- and Olf-interacting zinc finger protein, ZNF423, KIAA0760, NPHP14, OAZ

**Target/Specificity**

The synthetic peptide sequence is selected from aa 864-877 of HUMAN ZNF423

**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.

**ZNF423 Blocking Peptide (Center) - Protein Information****Name** ZNF423**Synonyms** KIAA0760, NPHP14, OAZ**Function**

Transcription factor that can both act as an activator or a repressor depending on the context. Plays a central role in BMP signaling and olfactory neurogenesis. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate olfactory-specific genes. Involved in olfactory neurogenesis by participating in a developmental switch that regulates the transition from differentiation to maturation in olfactory receptor neurons. Controls proliferation and differentiation of neural precursors in cerebellar vermis formation.

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed in brain, lung, skeletal muscle, heart, pancreas and kidney but not liver or placenta. Also expressed in aorta, ovary, pituitary, small intestine, fetal brain, fetal kidney and, within the adult brain, in the substantia nigra, medulla, amygdala, thalamus and cerebellum.

**ZNF423 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

**ZNF423 Blocking Peptide (Center) - Images****ZNF423 Blocking Peptide (Center) - Background**

Transcription factor that can both act as an activator or a repressor depending on the context. Plays a central role in BMP signaling and olfactory neurogenesis. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate olfactory-specific genes. Involved in olfactory neurogenesis by participating in a developmental switch that regulates the transition from differentiation to maturation in olfactory receptor neurons. Controls proliferation and differentiation of neural precursors in cerebellar vermis formation.

**ZNF423 Blocking Peptide (Center) - References**

Hata A.,et al.Cell 100:229-240(2000).  
Nagase T.,et al.DNA Res. 5:277-286(1998).  
Nakajima D.,et al.DNA Res. 9:99-106(2002).  
Rigbolt K.T.,et al.Sci. Signal. 4:RS3-RS3(2011).  
Chaki M.,et al.Cell 150:533-548(2012).