

**SLC24A4 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP21680c

**Specification**

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**SLC24A4 Blocking Peptide (Center) - Product Information**

Primary Accession

[Q8NFF2](#)**SLC24A4 Blocking Peptide (Center) - Additional Information**

Gene ID 123041

**Other Names**

Sodium/potassium/calcium exchanger 4, Na(+)/K(+)/Ca(2+)-exchange protein 4, Solute carrier family 24 member 4, SLC24A4, NCKX4

**Target/Specificity**

The synthetic peptide sequence is selected from aa 364-378 of HUMAN SLC24A4

**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.

**SLC24A4 Blocking Peptide (Center) - Protein Information**Name SLC24A4 ([HGNC:10978](#))**Function**

Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+) (PubMed:<a href="http://www.uniprot.org/citations/12379639" target="\_blank">12379639</a>, PubMed:<a href="http://www.uniprot.org/citations/26631410" target="\_blank">26631410</a>). Controls the rapid response termination and proper regulation of adaptation in olfactory sensory neurons (OSNs) which subsequently influences how odor information is encoded and perceived (By similarity). May play a role in calcium transport during amelogenesis (PubMed:<a href="http://www.uniprot.org/citations/23375655" target="\_blank">23375655</a>, PubMed:<a href="http://www.uniprot.org/citations/24621671" target="\_blank">24621671</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q8CGQ8}

**Tissue Location**

Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639).  
Expressed at lower levels in the stomach and intestine (PubMed:12379639)

### **SLC24A4 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

### **SLC24A4 Blocking Peptide (Center) - Images**

### **SLC24A4 Blocking Peptide (Center) - Background**

Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+). Controls the rapid response termination and proper regulation of adaptation in olfactory sensory neurons (OSNs) which subsequently influences how odor information is encoded and perceived. May play a role in calcium transport during amelogenesis (By similarity).

### **SLC24A4 Blocking Peptide (Center) - References**

Li X.-F.,et al.J. Biol. Chem. 277:48410-48417(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Heilig R.,et al.Nature 421:601-607(2003).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).