

SLC24A4 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21680c

Specification

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 InformationName SLC24A4 ([HGNC:10978](#))**Function**

Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+) (PubMed:12379639, PubMed:26631410). 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:23375655, PubMed:24621671).

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

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SLC24A4 Blocking Peptide (Center) - References

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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).