10320 Camino Santa Fe, Suite G
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TAS2R43 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20329c

Specification

TAS2R43 Blocking Peptide (Center) - Product Information

Primary Accession P59537

TAS2R43 Blocking Peptide (Center) - Additional Information

Gene ID 259289

Other Names
Taste receptor type 2 member 43, T2R43, Taste receptor type 2 member 52, T2R52, TAS2R43

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.

TAS2R43 Blocking Peptide (Center) - Protein Information

Name TAS2R43

Function
Gustducin-coupled receptor immplicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. Activated by the sulfonyl amide sweeteners saccharin and acesulfame K. In airway epithelial cells, binding of bitter compounds increases the intracellular calcium ion concentration and stimulates ciliary beat frequency. May act as chemosensory receptors in airway epithelial cells to detect and eliminate potential noxious agents from the airways (By similarity).

Cellular Location
Membrane; Multi- pass membrane protein. Cell projection, cilium membrane. Note=In airway epithelial cells, localizes to motile cilia

Tissue Location
Expressed in subsets of taste receptor cells of the tongue and exclusively in gustducin-positive cells. Expressed in airway epithelia.

TAS2R43 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

TAS2R43 Blocking Peptide (Center) - Images

TAS2R43 Blocking Peptide (Center) - Background

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