

TAS2R43 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20329c**Specification**

TAS2R43 Blocking Peptide (Center) - Product InformationPrimary 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 implicated 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

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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