

LRTOMT Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21148a**Specification**

LRTOMT Blocking Peptide (N-term) - Product InformationPrimary Accession [Q8WZ04](#)**LRTOMT Blocking Peptide (N-term) - Additional Information****Gene ID** 220074**Other Names**

Transmembrane O-methyltransferase, Catechol O-methyltransferase 2, Protein LRTOMT2, LRTOMT, COMT2, TOMT

Target/Specificity

The synthetic peptide sequence is selected from aa 2-16 of HUMAN LRTOMT

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.

LRTOMT Blocking Peptide (N-term) - Protein Information**Name** TOMT ([HGNC:55527](#))**Function**

Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones (By similarity). Required for auditory function (PubMed:18794526). Component of the cochlear hair cell's mechanotransduction (MET) machinery. Involved in the assembly of the asymmetric tip-link MET complex. Required for transportation of TMC1 and TMC2 proteins into the mechanically sensitive stereocilia of the hair cells. The function in MET is independent of the enzymatic activity (By similarity).

Cellular Location

[Isoform 1]: Membrane; Single-pass membrane protein

LRTOMT Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

LRTOMT Blocking Peptide (N-term) - Images

LRTOMT Blocking Peptide (N-term) - Background

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LRTOMT Blocking Peptide (N-term) - References

Ahmed Z.M.,et al.Nat. Genet. 40:1335-1340(2008).
Wan D.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
Du X.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:14609-14614(2008).