

LMTK3 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21454b

Specification

LMTK3 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q96Q04](#)**LMTK3 Blocking Peptide (C-term) - Additional Information****Other Names**

Serine/threonine-protein kinase LMTK3, Lemur tyrosine kinase 3, LMTK3, KIAA1883, TYKLM3

Target/Specificity

The synthetic peptide sequence is selected from aa 1192-1206 of HUMAN LMTK3

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.

LMTK3 Blocking Peptide (C-term) - Protein Information**Name** LMTK3**Synonyms** KIAA1883, TYKLM3**Function**

Protein kinase which phosphorylates ESR1 (in vitro) and protects it against proteasomal degradation. May also regulate ESR1 levels indirectly via a PKC-AKT-FOXO3 pathway where it decreases the activity of PKC and the phosphorylation of AKT, thereby increasing binding of transcriptional activator FOXO3 to the ESR1 promoter and increasing ESR1 transcription (PubMed:21602804). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (By similarity).

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q5XJV6}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q5XJV6}. Cell projection, axon {ECO:0000250|UniProtKB:Q5XJV6}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q5XJV6}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q5XJV6}. Note=Punctate pattern in cell projections

LMTK3 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

LMTK3 Blocking Peptide (C-term) - Images

LMTK3 Blocking Peptide (C-term) - References

Nagase T.,et al.DNA Res. 8:179-187(2001).
Grimwood J.,et al.Nature 428:529-535(2004).