10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRMT61A Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21425a

Specification

TRMT61A Blocking Peptide (N-term) - Product Information

Primary Accession Q96FX7

TRMT61A Blocking Peptide (N-term) - Additional Information

Gene ID 115708

Other Names
tRNA (adenine(58)-N(1))-methyltransferase catalytic subunit TRMT61A, tRNA(m1A58)-methyltransferase subunit TRMT61A, tRNA(m1A58)MTase subunit TRMT61A, TRMT61A, C14orf172, TRM61

Target/Specificity
The synthetic peptide sequence is selected from aa 45-60 of HUMAN TRMT61A

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.

TRMT61A Blocking Peptide (N-term) - Protein Information

Name TRMT61A

Synonyms C14orf172, TRM61

Function
Catalytic subunit of tRNA (adenine-N(1)-)-methyltransferase, which catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA (PubMed:16043508). Catalytic subunit of mRNA N(1)-methyltransferase complex, which mediates methylation of adenosine residues at the N(1) position of a small subset of mRNAs: N(1) methylation takes place in tRNA T-loop-like structures of mRNAs and is only present at low stoichiometries (PubMed:29072297, PubMed:29107537).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:P46959}.

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TRMT61A Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

TRMT61A Blocking Peptide (N-term) - Images

TRMT61A Blocking Peptide (N-term) - Background

Catalytic subunit of tRNA (adenine-N(1)-)- methyltransferase, which catalyzes the formation of N(1)- methyladenine at position 58 (m1A58) in initiator methionyl-tRNA.

TRMT61A Blocking Peptide (N-term) - References

Heilig R.,et al.Nature 421:601-607(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ozanick S.,et al.RNA 11:1281-1290(2005).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).