

SEN34 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9588c**Specification**

SEN34 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BSV6](#)**SEN34 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79042**Other Names**

tRNA-splicing endonuclease subunit Sen34, Leukocyte receptor cluster member 5, tRNA-intron endonuclease Sen34, HsSen34, TSEN34, LENG5, SEN34

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.

SEN34 Antibody (Center) Blocking Peptide - Protein Information**Name** TSEN34**Synonyms** LENG5, SEN34**Function**

Constitutes one of the two catalytic subunit of the tRNA- splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5'- and 3'-splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3'-cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. It probably carries the active site for 3'-splice site cleavage. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3'- end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3'-end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events.

Cellular Location

Nucleus. Nucleus, nucleolus. Note=May be transiently localized in the nucleolus

SEN34 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEN34 Antibody (Center) Blocking Peptide - Images

SEN34 Antibody (Center) Blocking Peptide - Background

SEN34 is a catalytic subunit of the tRNA splicing endonuclease, which catalyzes the removal of introns from precursor tRNAs. The endonuclease complex is also associated with a pre-mRNA 3-prime end processing factor.

SEN34 Antibody (Center) Blocking Peptide - References

??udde, B.S., et al. Nat. Genet. 40(9):1113-1118(2008)??aushkin, S.V., et al. Cell 117(3):311-321(2004)