

TFA Aminolink™ Phosphoramidite 5' Labeling Reagent for DNA Synthesis

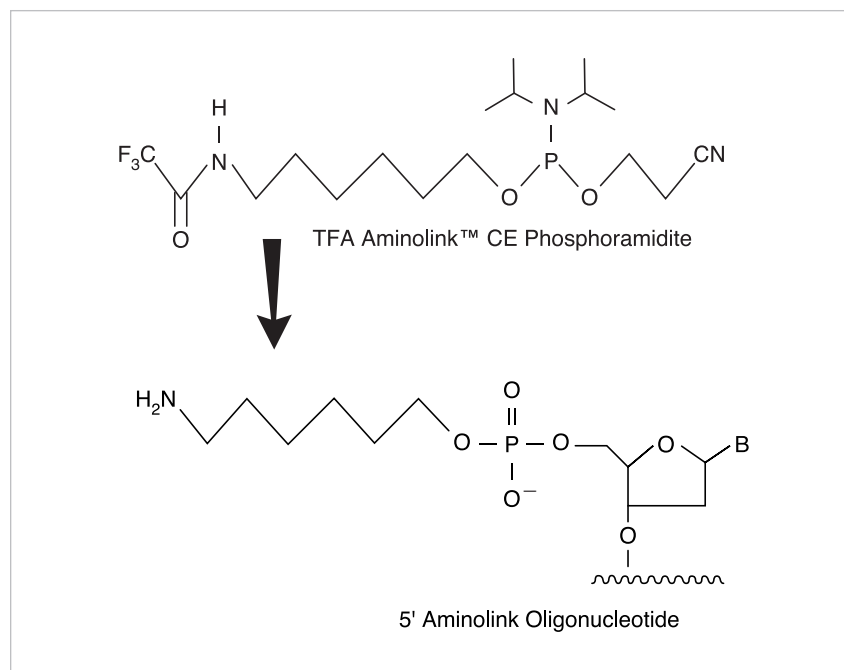
Compatible with All DNA Synthesis Reagents and Cycles

TFA Aminolink™ labeling reagent is suitable for use on the ABI 3900 High-Throughput DNA Synthesizer. This reagent delivers the same high performance as its predecessor (Aminolink™ 2 reagent).

TFA Aminolink reagent is delivered in the same manner as any other monomer, concurrently with the tetrazole activator, as the last coupling of the synthesis. This efficiently creates the amino function at the 5' end of the oligonucleotide chain. The trifluoroacetyl (TFA) protecting group is removed rapidly with ammonium hydroxide during post-synthesis treatment.

TFA Aminolink Reagent is Easy to Use

Oligonucleotides are efficiently labeled with TFA Aminolink reagent on the ABI 3900 system with a 0.1 M amidite solution. Simply add 6 mL of dry acetonitrile to a 250 mg bottle of TFA Aminolink reagent to make a 0.1 M solution. The reagent is active for up to two weeks, but best results are achieved within the first few days. Synthesis modifications are minimal: three coupling repeats with the same volume of amidite solution and the same coupling times as the standard A, G, C, and T monomers are required.



Efficient Labeling is Important for Specialty Applications

The 5' amine functionality of aminolink oligonucleotides reacts with electrophilic labeling reagents, such as fluorescent dye N-hydroxysuccinimide (NHS) esters and biotin NHS esters. The resulting functionalized oligonucleotides are useful in a variety of detection and capture experiments!

Highest Standards of Quality

As with all Applied Biosystems nucleic acid synthesis reagents, TFA Aminolink reagent is manufactured to the highest quality standards. It is fully supported

by our technical and applications support network, and is readily available throughout the world. To order, contact your local Applied Biosystems sales representative or visit our Web site at www.appliedbiosystems.com

References

1. Andrus, A. 1995. Chemical methods for 5' non-isotopic labeling of PCR probes and primers. *PCR: A Practical Approach*, Volume 2, Eds. M.J. McPherson, B.D. Hames, and G. Taylor, Oxford University Press, p. 39–54.

Ordering information

Description	Quantity/Use	P/N
TFA Aminolink™ Phosphoramidite	0.25 g	402872



iScience. To better understand the complex interaction of biological systems, life scientists are developing revolutionary approaches to discovery that unite technology, informatics, and traditional laboratory research. In partnership with our customers, Applied Biosystems provides the innovative products, services, and knowledge resources that make this new, **Integrated Science** possible.

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