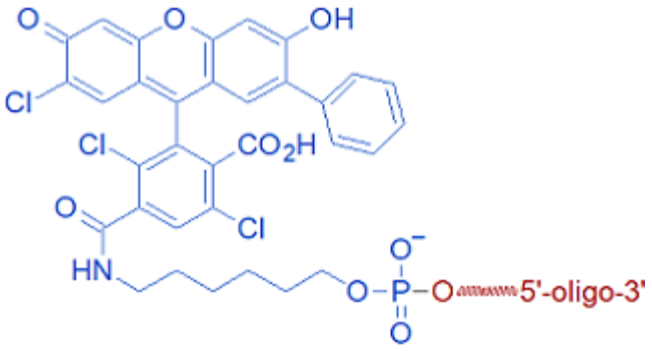
VIC 5' fluorophore

Category	Fluorescent Dyes
Modification Code	VIC-5
Reference Catalog Number	26-6489
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	550



VIC Fluorophore Oligo 5'
[26-6489]

Click here for a list of fluorophores.

VIC is a fluorescent dye that was originally developed by Applied Biosystems. VIC is available for 5' and also as NHS for internal sites with an amino group base or internal non-nucleosidic amino group. VIC has an excitation maximum of 538 nm and an emission maximum of 554 nm, thus emitting in the green-yellow part of the visible spectrum. It is used to fluorescently label oligonucleotides at the 5' end (for use as probes in a variety of real-time PCR, hybridization, and fluorescence-based genetic analysis applications) and is currently only available from Life Technologies. Since the fluorescent dye HEX has a similar emission profile (absorbance maximum = 535 nm; emission maximum = 556 nm), for those customers who are able, Gene Link offers HEX as a less expensive reasonable substitute. For more information on HEX, please see its technical sheet.

Applied Biosystems Proprietary Dyes & Possible Substitutions

Dye

Color

Absorbance max (nm)

Emission max (nm) VIC Pink Red 538 554 Cal Orange 560 Pink Red 537 558 HEX Pink Red 535 556 NED Red Orange 546 575 Cy3 Red Orange 550 570 PET Red Orange 558 595 Cy3.

5 Red 588 604 ROX Red 575 602 Texas Red Red 583 603

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