YGFP: a spectral variant of GFP

YGFP: a spectral variant of GFP

We describe YGFP, a slow bleaching green fluorescent protein (GFP) with unique spectral properties. YGFP is derived from an Escherichia coli codon-optimized synthetic gfp, mutant 2 derivative. In addition to the GFP-mut 2 changes, it also carries S202F and T203I substitutions. YGFP can be used as a substitute for yellow fluorescent protein (YFP) in experiments in which two or more fluorescent proteins are fused to different cellular protein components, expanding the ability to study multiple labeled proteins in a cell at once.

General information
State: Published
Organisations: Department of Systems Biology, Roskilde University
Contributors: Hansen, F. G., Atlung, T.
Pages: 411-412
Publication date: 2011
Peer-reviewed: Yes

Publication information
Journal: BioTechniques
Volume: 50
Issue number: 6
ISSN (Print): 0736-6205
Ratings:
BFI (2019): BFI-level 1
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 1.38 SJR 1.116 SNIP 0.585
Web of Science (2017): Impact factor 2.098
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 1.16 SJR 1.191 SNIP 0.585
Web of Science (2016): Impact factor 2.03
BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 1.22 SJR 1.146 SNIP 0.754
Web of Science (2015): Impact factor 2.298
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 1.27 SJR 0.889 SNIP 1.145
Web of Science (2014): Impact factor 2.948
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 1.41 SJR 1.096 SNIP 0.914
Web of Science (2013): Impact factor 2.754
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): CiteScore 1.5 SJR 0.96 SNIP 1.266
Web of Science (2012): Impact factor 2.399
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): CiteScore 1.62 SJR 1.032 SNIP 0.864
Web of Science (2011): Impact factor 2.669
ISI indexed (2011): ISI indexed yes
Web of Science (2011): Indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): SJR 1.107 SNIP 0.75
Web of Science (2010): Impact factor 2.55