

Title (en)  
NON AGGREGATING FLUORESCENT PROTEINS AND METHODS FOR USING THE SAME

Title (de)  
NICHTAGGREGIERENDE FLUORESZIERENDE PROTEINE UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)  
PROTEINES FLUORESANTES ANTI-AGGREGANTES ET LEURS METHODES D'UTILISATION

Publication  
**EP 1385967 A2 20040204 (EN)**

Application  
**EP 02723238 A 20020220**

Priority  
• US 0205749 W 20020220  
• US 27098301 P 20010221  
• US 692201 A 20011204

Abstract (en)  
[origin: WO02068459A2] Nucleic acid compositions encoding non-aggregating chromo/fluoroproteins and mutants thereof, as well as the proteins encoded by the same, are provided. The proteins of interest are polypeptides that are non-aggregating colored and/or fluorescent proteins, where the the non-aggregating feature arises from the modulation of residues in the N-terminus of the protein and the chromo and/or fluorescent feature arises from the interaction of two or more residues of the protein. Also provided are fragments of the subject nucleic acids and the peptides encoded thereby, as well as antibodies to the subject proteins and transgenic cells and organisms. The subject protein and nucleic acid compositions find use in a variety of different applications. Finally, kits for use in such applications, e.g., that include the subject nucleic acid compositions, are provided.

IPC 1-7  
**C12N 15/65**; **C07K 14/435**; **C07K 16/18**; **C12N 15/10**; **A01K 67/00**; **C12Q 1/68**

IPC 8 full level  
**A01H 5/00** (2006.01); **A01K 67/027** (2006.01); **C07K 14/435** (2006.01); **C07K 16/18** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP)  
**C07K 14/43595** (2013.01)

Citation (search report)  
See references of WO 02068459A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02068459 A2 20020906**; **WO 02068459 A3 20031127**; AU 2002254031 A1 20020912; CA 2434737 A1 20020906; CA 2434737 C 20121106; EP 1385967 A2 20040204; JP 2004536571 A 20041209; JP 2009131260 A 20090618; JP 5221308 B2 20130626

DOCDB simple family (application)  
**US 0205749 W 20020220**; AU 2002254031 A 20020220; CA 2434737 A 20020220; EP 02723238 A 20020220; JP 2002567969 A 20020220; JP 2008309300 A 20081204