

Title (en)  
GENE FAMILY ASSOCIATED WITH NEUROSENSORY DEFECTS

Title (de)  
MIT NEUROSENSORISCHEN DEFECTEN VERKNÜPFTE GENFAMILIE

Title (fr)  
FAMILLE GENETIQUE ASSOCIEE A DES DEFICIENCES NEURO-SENSORIELLES

Publication  
**EP 0892807 A1 19990127 (EN)**

Application  
**EP 97920276 A 19970410**

Priority

- US 9705903 W 19970410
- US 63059296 A 19960410
- US 70138096 A 19960822
- US 70629296 A 19960904
- US 71499196 A 19960917

Abstract (en)  
[origin: WO9738004A1] Nucleic acid compositions are provided that encode a family of mammalian proteins expressed in the retina and brain. Members of the gene family are genetically linked to various neurosensory defects, including cochlear degeneration, peripheral retinal degeneration and cone-rod retinal dystrophy. The nucleic acid compositions find use in identifying DNA sequences encoding homologous or related proteins; for production of the encoded protein; and in studying associated physiological pathways. In addition, modulation of the gene activity in vivo is used for prophylactic and therapeutic purposes, such as treatment of neurosensory defects, identification of retinal cells based on expression, and the like. The DNA is further used as a diagnostic for genetic predisposition to the linked neurosensory defect.

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**C07H 21/04; C07K 14/47; C12N 5/06; C12N 5/08; C12Q 1/68**

IPC 8 full level  
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See references of WO 9738004A1

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