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GenBank: EU714030.1

Synthetic construct channel rhodopsin-2-GFP (Chr2-GFP) gene, complete cds

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LOCUS EU714030 1665 bp DNA linear SYN

08-JUN-2008

DEFINITION Synthetic construct channel rhodopsin-2-GFP (Chr2-GFP) gene,

complete cds.

ACCESSION EU714030

VERSION EU714030.1 GI:189314003

KEYWORDS .

SOURCE synthetic construct

ORGANISM [synthetic construct](#)

REFERENCE 1 (bases 1 to 1665)

AUTHORS Han,X. and Boyden,E.S.

TITLE Multiple-color optical activation, silencing, and desynchronization

of neural activity, with single-spike temporal resolution

JOURNAL PLoS ONE 2 (3), E299 (2007)

PUBMED [17375185](#)

REMARK Publication Status: Online-Only

REFERENCE 2 (bases 1 to 1665)

AUTHORS Boyden,E.

TITLE Direct Submission

JOURNAL Submitted (11-MAY-2008) MIT Media Lab, MIT, 20 Ames St., Cambridge,

MA 02139, USA

FEATURES Location/Qualifiers

source

1..1665

/organism="synthetic construct"

/mol_type="other DNA"

/db_xref="taxon:[32630](#)"

/note="derived from Chlamydomonas reinhardtii"

[gene](#)

1..1665

/gene="Chr2-GFP"

[CDS](#)

1..1665

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/note="light-activated cation channel plus fluorophore; channelrhodopsin-2 with humanized codon sequence and GFP fused to the C-terminus"

/codon_start=1

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BLAST Sequence

Find regions of similarity between this sequence and other sequences using BLAST.

Pick Primers

Design and test primers for this sequence using Primer-BLAST.

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ORIGIN

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