

## Product datasheet for **RG215425**

### NR2E3 (NM\_014249) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NR2E3 (NM_014249) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR2E3
Synonyms:	ESCS; PNR; rd7; RNR; RP37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215425 representing NM_014249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACCAGACCAACAGCTCTGATGAGCTCCACAGTGGCTGCAGCTGCGCCTGCAGCTGGGGCTGCCT  
CCAGGAAGGAGTCTCCAGGCAGATGGGGCTGGGGAGGATCCCACAGGCGTGAGCCCCTCGCTCCAGTG  
CCGCGTGTGCGGAGACAGCAGCAGCGGGAAGCACTATGGCATCTATGCCTGCAACGGCTGCAGCGGCTTC  
TCAAGAGGAGCGTACGGCGGAGGCTCATCTACAGGTGCCAGGTGGGGCAGGGATGTGCCCGTGGACA  
AGGCCACCGCAACCAGTGCCAGGCCTGCCGGTGAAGAAGTGCCTGCAGCGGGGATGAACCAGGACGC  
CGTGCAGAACGAGCGCCAGCCGGAAGCACAGCCAGGTCCACCTGGACAGCATGGAGTCCAACACTGAG  
TCCCGGCCGGAGTCCCTGGTGGCTCCCCGGCCCCGGCAGGGCGCAGCCACGGGGCCCCACCCATGT  
CTGCAGCCAGAGCCCTGGGCCACCACTTCATGGCCAGCCTTATAACAGCTGAAACCTGTGCTAAGCTGGA  
GCCAGAGGATGCTGATGAGAATATTGATGTCCAGCAATGACCTGAGTTCCCCCTCTCCATACTCC  
TCTTCTCCCCCTGCGGCTGGACAGCATCCATGAGACCTCGGCTCGCCTACTCTTCATGGCCGTCAAGT  
GGGCAAGAACCTGCCTGTGTTCTCCAGCCTGCCCTCCGGGATCAGGTGATCCTGCTGGAAGAGGCGTG  
GAGTGAACCTTTCTCCTCGGGCCATCCAGTGGTCTCTGCCTTGACAGCTGTCTCTGCTGGCACCG  
CCCGAGGCCTCTGCTGCCGGTGGTGCCAGGGCCGGCTCAGCTGGCCAGCATGGAGACGGGTGTCCTG  
AGGAAACTATCTCTCGGTTCCGGGCATTGGCGGTGGACCCACGGAGTTTGCCTGCATGAAGGCCCTTGT  
CCTCTTCAAGCCAGAGACGCGGGCCTGAAGGATCCTGAGCACGTAGAGGCTTGACAGGACAGTCCCAA  
GTGATGCTGAGCCAGCACAGCAAGGCCACCACCCAGCCAGCCCGTGAGGTTTGGGAAATTGCTCCTGC  
TCTCCCGTCTTTGAGGTTTACTACTGCGGAACGCATCGAGCTCCTCTTTTTCCGCAAGACCATAGGGAA  
TACTCCAATGGAGAAGCTCCTTTGTGATATGTTCAAAAAC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_014249.4](#)

**RefSeq Size:** 1999 bp

**RefSeq ORF:** 1233 bp

**Locus ID:** 10002

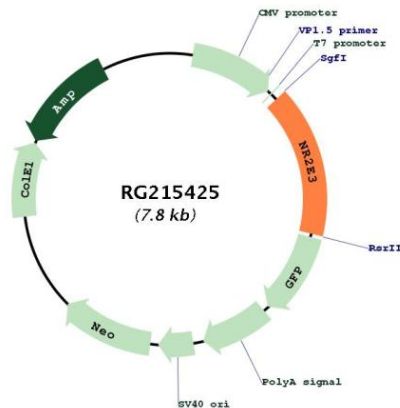
**UniProt ID:** [Q9Y5X4](#)

**Cytogenetics:** 15q23

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Gene Summary:** This protein is part of a large family of nuclear receptor transcription factors involved in signaling pathways. Nuclear receptors have been shown to regulate pathways involved in embryonic development, as well as in maintenance of proper cell function in adults. Members of this family are characterized by discrete domains that function in DNA and ligand binding. This gene encodes a retinal nuclear receptor that is a ligand-dependent transcription factor. Defects in this gene are a cause of enhanced S cone syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG215425