

## Product datasheet for **RG222325**

### CBY2 (NM\_152719) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CBY2 (NM_152719) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CBY2
Synonyms:	NURIT; SPERT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222325 representing NM_152719 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAACCAGAGGGGTTGAAATGTAGGATGGAGGAATCCAATGCAGAGAGGGGCACAGCCGAACCCCTTCC  
CGAGGCTCCACAACCTGTACAGCACCCCTCGCTGCGCGCAGCAGGCCGCCCTGCCCGGTGAGCCGCAG  
GATGGCGAGCCAGCACTCTATCCACTGAACCGCTTCTCCTCCGTGCCTTTAGACCCCATGGAGCGCCCC  
ATGTCCCAGGCCGACCTGGAGCTGGACTACAACCCGCGCGGGTGCAGCTCAGCGACGAGATGTTCTGT  
TCCAGGACGGGCGCTGGGTAATGAGAAGTCCGCTGCAGTCTCCCTACTTCTCCCATCCGCCTCCTT  
CCACCACAAGCTGCACCACAAGAGGCTGGCCAAGGAGTGCATGCTGCAGGAGGAGAACAAGTCTCTGCGG  
GAGGAGACAAGGCCCTGCGCGAGGAGAACCGGATGCTCAGCAAGGAGACAAGATCCTACAGGTCTTCT  
GGGAGGAGCACAAGGCCCTCGCTGGGCCGAGAGGAGAGCCGGGCCCCCTCGCCACTGCTGCACAAAGACAG  
CGCGTCCCTGGAGGTGGTGAAGAAGGACCACGTCGCCCTGCAGGTGCCCGTGGCAAGGAGGACAGCACC  
CTGCAGCTCCTCCGGGAGGAGAAATCGCGCGCTGCAGCAGCTGCTGGAGCAGAAACAGGCCACTGGGCGC  
AGGAGAGGACACGGCCGCCCTGCCGAGGAAAGCAAGCCCGCCCCCTCACCCACGAGGAGCCCTGCAG  
CCCCGGGCTGCTGCAGGACCAGGGCTCCGGCCTCTCCTCCGCTTCGAGGAGCCCAAAGGGCCTCCGGCC  
CGGCAGGAGGACTCCAAGGAGCTGCGGCCCTGCGGAAGATGGTCAGCAACATGTCCGGGCCCTCCGGGG  
AGGAGGAGGCCAAGGTGGGCCCGGCCCTGCCGACGGCTGCCAGCCCTGCAGCTGCTGAGAGAGATGAG  
GCAGGCGTGCAGGCCCTGCTCAAGGAGAACCGCTCCTGCAGGAGGAGAACAGGACCCTGCAGGTGCTA  
CGGGCAGAGCACAGGGGCTTCCAGGAGGAGAACAGGCCCTGTGGGAGAACAAAGCTGAAGCTGCAGC  
AGAAGCTGGTCATTGACACCGTGACCGAGGTCACCGCGCATGGAAATGCTCATCGAGGAGCTCTACGC  
CTTCATGCCGGCCAGGAGCCAGGACCCCAAGAAGCCTAGCAGGGTC

**ACGGTACGGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG222325 representing NM\_152719  
Red=Cloning site Green=Tags(s)

MQPEGLKCRMEESNAERGTAEPFRLHNLSTPRCAQQAALPRLSRRMASQHSYPLNRFSSVPLDPMERP  
 MSQADLELDYNPPRVQLSDEMVFVQDGRWVNENCR LQSPYFSPSASFHHKLHKKRLAKECMLQEENKSLR  
 EENKALREENRMLSKENKILQVFWEEHKASLGREESRAPSPLLHKDSASLEVVKKDHVALQVPRGKEDST  
 LQLLREENRALQQLLEQKQAYWAQAEDTAAPAEESKPAPSPHEEPCSPGLLQDQGSGLSSRFEEPKGPPA  
 RQEDSKELRALRKMVSNMSGPSGEEEAKEVGPGLPDGCQPLQLLREMRQALQALLKENRLLQEENRTLQVL  
 RAEHRGFQEENKALWENNKLKLQQLVIDTVTEVTARMEMLIEELYAFMPARSQDPKPSRV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152719

**ORF Size:** 1236 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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\\_152719.1](#), [NP\\_689932.1](#)

**RefSeq Size:** 1613 bp

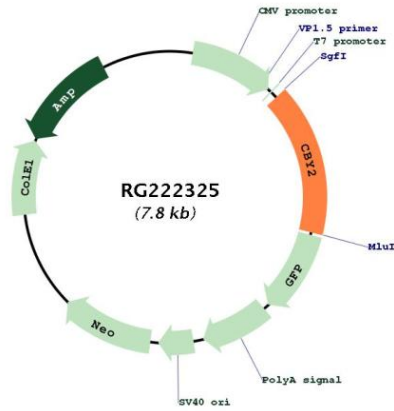
**RefSeq ORF:** 1347 bp

**Locus ID:** 220082

**UniProt ID:** [Q8NA61](#)

**Cytogenetics:** 13q14.13

**Product images:**



Circular map for RG222325