

Product datasheet for **RG238071**

CBY2 (NM_001286342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBY2 (NM_001286342) 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:	>RG238071 representing NM_001286342. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAACCAGAGGGGTTGAAATGTAGGATGGAGGAATCCAATGCAGAGAGGGGCACAGCCGAACCTTC
CCGAGGCTCCACAACCTGTACAGCACCCCTCGCTGCGCGCAGCAGGCCGCCCTGCCCGGCTGAGCCGC
AGGATGGCGAGCCAGCACTCCTATCCACTGAACCGCTTCTCCTCCGTGCCTTTAGACCCCATGGAGCGC
CCCATGTCCAGGCCGACCTGGAGCTGGACTACAACCCGCCGGGTGCAGCTCAGCGACGAGATGTTT
GTGTTCCAGGACGGCGCTGGGTAAATGAGAACTGCCGCCTGCAGTCTCCCTACTTCTCCCCATCCGCC
TCCTTCCACCACAAGCTGCACCACAAGAGGCTGGCCAAGGAGTGCATGCTGCAGGAGGAGAACAAGTCT
CTGCGGGAGGAGAACAAGGCCCTGCGCGAGGAGAACC GGATGCTCAGCAAGGAGAACAAGATCCTACAG
GTCTTCTGGGAGGAGCACAAGGCCCTCGCTGGGCCGAGAGGAGAGCCGGGCCCCCTCGCCACTGCTGCAC
AAAGACAGCGCGTCCCTGGAGGTGGTGAAGAAGGACCACGTGCGCCTGCAGGTGCCCGTGGCAAGGAG
GACAGCACCTGCAGTCTCCTCCGGGAGGAGAATCGCGCGTGCAGCAGCTGCTGGAGCAGAAACAGGCC
TACTGGGCGCAGGAGGACACGGCCGCCCTGCCGAGGAAAGCAAGCCCGCCCTCACCCACGAG
GAGCCCTGCAGCCCCGGGCTGCTGCAGGACCAGGGCTCCGGCCTCTCCTCCCGTTCGAGGAGCCAAA
GGGCCCTCCGGCCCGCAGGAGGACTCCAAGGAGCTGCGCGCCTGCGGAAGATGGTCAGCAACATGTCC
GGGCCCTCCGGGAGGAGGAGGCAAGGTGGGCCGGGCTGCCGACGGCTGCCAGCCCTGCAGCTG
CTGAGAGAGATGAGGCAGGCGCTGCAGGCCCTGCTCAAGGAGAACC GGCTCCTGCAGGAGGAGAACAGG
ACCCTGCAGGTGCTACGGGCAGAGCACAGGGGCTTCCAGGAGGAGAACAAGGCCCTGTGGGAGAACAAC
AAGCTGAAGCTGCAGCAGAAGCTGGTCAATGACACCGTGACCGAGGTACCCGCGCATGGAAATGCTC
ATCGAGGAGCTCTACGCCTTCAATGCCGGCCAGGAGCCAGGACCCCAAGAAGCCTAGCAGGGTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG238071
 Blue=ORF Red=Cloning site Green=Tag(s)

MQPEGLKCRMEESNAERGTAEFPRLHNLSTPRCAQQAALPRLSRRMASQHSYPLNRFSSVPLDPMER
 PMSQADLELDYNPPRVQLSDEMVFQDGRWVNENCRQLQSPYFSPSASFHHKLHHKRLAKECMLQEENKS
 LREENKALREENRMLSKENKILQVFWEEHKASLGREESRAPSPLLHKDSASLEVVKKDHVALQVPRGKE
 DSTLQLLREENRALQQLLEQKQAYWAQEDTAAPAEESKPAPSPHEEPCSPGLLQDQGSGLSSRFEEPK
 GPPARQEDSKELRALRKMVSNMSPSGEEEAKEVGPGLPDGCQPLQLLREMRQALQALLKENRLLQEENR
 TLQVLRAEHRGFQEENKALWENNKLKLQQLVIDTVTEVTARMEMLIEELYAFMPARSQDPKKPSRV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286342

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).

RefSeq: [NM_001286342.1](#), [NP_001273271.1](#)

RefSeq Size: 1522 bp

RefSeq ORF: 1239 bp

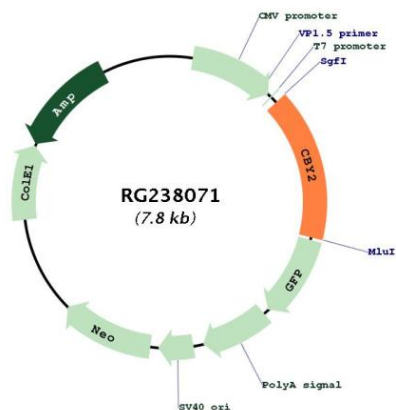
Locus ID: 220082

UniProt ID: [Q8NA61](#)

Cytogenetics: 13q14.13

MW: 47.7 kDa

Product images:



Circular map for RG238071