

Product datasheet for RC238071

CBY2 (NM_001286342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBY2 (NM_001286342) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CBY2
Synonyms:	NURIT; SPERT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238071 representing NM_001286342 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAACCAGAGGGTTGAAATGTAGGATGGAGGAATCCAATGCAGAGAGGGGCACAGCCGAACCCCTTCC
CGAGGCTCCACAATTGTACAGCACCCCTCGCTGCGCGCAGCAGGCCGCCCTGCCCGGCTGAGCCGCAG
GATGGCGAGCCAGCACTCTATCCACTGAACCGCTTCTCTCCGTGCCTTTAGACCCCATGGAGCGCCCC
ATGTCCCAGGCCGACCTGGAGCTGGACTACAACCCGCGCGGGTGCAGCTCAGCGACGAGATGTTGTTGT
TCCAGGACGGGCGCTGGGTAATGAGAAGTCCCGCTGCAGTCTCCCTACTTCTCCCATCCGCTCCTT
CCACCACAAGCTGCACCACAAGAGGCTGGCCAAGGAGTGCATGCTGCAGGAGGAGAACAAGTCTCTGCGG
GAGGAGAACAAGGCCCTGCGCGAGGAGAACCGGATGCTCAGCAAGGAGAACAAGATCCTACAGGTCTTCT
GGGAGGAGCACAAGGCCCTCGCTGGGCCGAGAGGAGAGCCGGGCCCTCGCCACTGCTGCACAAAGACAG
CGCGTCCCTGGAGGTGGTGAAGAAGGACCACGTCGCCCTGCAGGTGCCCGTGGCAAGGAGGACAGCACC
CTGCAGTCTCTCCGGGAGGAGAATCGCGCGTGCAGCAGCTGCTGGAGCAGAAACAGGCCACTGGGCGC
AGGCAGAGGACACGGCCGCCCTGCCGAGGAAAGCAAGCCCGCCCTCACCCACGAGGAGCCCTGCAGC
CCCCGGGCTGCTGCAGGACCAGGGCTCCGGCTCTCTCCGCTTCGAGGAGCCCAAGGGCTCCGGCC
CGGCAGGAGGACTCCAAGGAGCTGCGCGCCCTGCGGAAGATGGTCAGCAACATGTCCGGGCCCTCCGGGG
AGGAGGAGGCCAAGGTGGGCCGGGCTGCCGACGGCTGCCAGCCCTGCAGTCTGAGAGAGATGAG
GCAGGGCTGCAGGCCCTGCTCAAGGAGAACCCTGCTCAGGAGGAGAACAGGACCCTGCAGGTGCTA
CGGGCAGAGCACAGGGCTTCCAGGAGGAGAACAAGGCCCTGTGGGAGAACAACAAGCTGAAGCTGCAGC
AGAAGTGGTCATTGACACCGTGACCGAGGTACCAGCGCATGGAAATGCTCATCGAGGAGCTCTACGC
CTTCATGCCGGCCAGGAGCCAGGACCCCAAGAAGCCTAGCAGGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238071 representing NM_001286342
 Red=Cloning site Green=Tags(s)

MQPEGLKCRMEESNAERGTAEPFRLHNLYSTPRCAQQAALPRLSRRMASQHSYPLNRFSSVPLDPMERP
 MSQADLELDYNPPRVQLSDEMVFVQDGRWVNENCRLLQSPYFSPSASFHHKLHKKRLAKECMLQEENKSLR
 EENKALREENRMLSKENKILQVFWEEHKASLGREESRAPSPLLHKDSASLEVVKKDHVALQVPRGKEDST
 LQLLREENRALQQLLEQKQAYWAQAEDTAAPAEESKPAPSPHEEPCSPGLLQDQSGLSRFEEPKGP
 PA RQEDSKELRALRKMVSNMSGPSGEEAKVGPGLPDGCQPLQLLREMRQALQALLKENRLLQEENRTLQVL
 RAEHRGFQEENKALWENNKLLKQQLVIDTVTEVTARMEMLIEELYAFMPARSQDPKPSRV

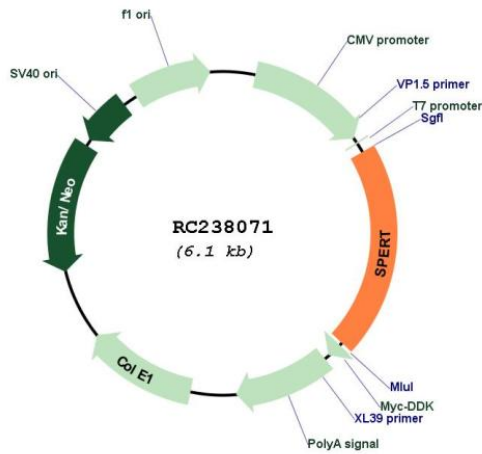
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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