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Product datasheet for MG215921

Cables2 (NM_145851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cables2
Synonyms:	ik3-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215921 representing NM_145851
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCGGCTGCGGCGGGAGGAGCCCCGGGTCCGGCCCCCGGCCCCTCCAGGCCCGCGCCGGCCGCCC
GGAACCCGCCGGCCGTGCCGCGGAGGCGCGGGGACTCCCGGCGCCGTCAGGCCGCCCTCTTCTTTCTCAA
CAACATCTCCCTGGACGGACGGCCCCCGAGCCTGGGTCCCGGAGGCGAGAAGCCAGCGCCGCCGCCGCCA
CCGCCCACCGAGGCCCGCGAGGCGCCCGCGCCGCCGCCCGCTCCACCTGGAGGCCTCCCGGGGCTGCCAG
CCAGGCCCGCGCCCCAGGGCCTGCTCAGCCCCACGACGGCGCCCGCCGGCCTTGGCCTGGACGGGCAGCG
CCAAAGGAGACGAGTCACATCTCAGCGCTGTTCCCTTGAGTTTCTGGAAGACACAGTGGGATGTGCCTCG
GTGCAGAGAACCAAGCATGCATCTGGATCACCAAGACACAAAGGCCTGAAGAAAACCCACTTCATCAAGA
ACATGAGGCAGTATGACACAAAGAACAGCAGGATTGTACTCATCTGTGCCAAGCGGTCCCTGTGTGCGGC
CTTCTCAGTCCTGCCCTATGGAGAAGGCCTACGGATCAGTGACCTGAGGGTGGACAGCCAGAAGCAGAGG
CACCCATCCGGCGGCGTTTCTGTTTCTTCTGAGATGGTCTTTGAATTGGAAGGCGTTGAGCTGGGAGCAG
ATGGAAAGGTCGTGTCTTATGCAAAGTTCCTGTACCCTACTAATGCTCTGGTTATACACAAGAATGACAG
CCATGGCTTGCTGCCCCAGCCTCGGCCCAGCATCCCCAGGGCTCCACCAGGTTCAAGACACAAACCTGTG
CCTACCAAGTCAACACCAGCTGGCACAGAACTAGGAAGCGACGGGGGAGATGCAGTGGAATACAATCCCA
ACCTCCTGGACGACCCACAGTGGCCGTGTGGAAAACATAAGCGTGTACTCATCTTTGCTTCATACATGAC
CACCGTTATAGAGTATGTGAAACCTGCAGACCTCAAGAAGGATATGAATGAGACCTTCAGGGAAAAGTTC
CCTCATATCAAACTGACATTGAGCAAAATTAGGAGTTTAAAACGGGAGATGCGGAACCTTTCTGAAGAGT
GCAGCTTGGAGCCTGTGACCGTGTCCATGGCATATGTGTACTTTGAGAAGCTCGTACTGCAGGGCAAGCT
CAACAAACAGAACCGCAAACTGTGTGCTGGAGCCTGTGTTCTGTTGGCTGCCAAGATCAGCAGTGACCTC
CGCAAGAGTGAAGTGAAGCAGCTTATTGACAAGCTGGAGGAAAGGTTCCGGTTCAACAGGAAAGACCTCA
TTGGCTTTGAGTTCACGGTGCTCGTGGCTTTGGAACTGGCCCTGTACCTCCCAGAGAACCAAGTGTTACC
TCACTACAGACGCCTCACCCAGCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

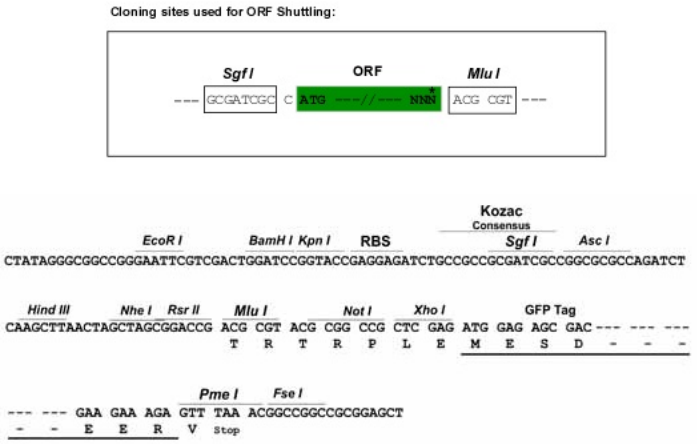
>MG215921 representing NM_145851
Red=Cloning site Green=Tags(s)

MAAAAAGGAPGPAPGPSRPAPAARNPPAVPRRRGDSRRRQAALFFLNNISLDGRPPSLGPGGEKPAPPPP
PPTEAREAPAPPPAPPGGLPGLPARPAPQGLLSPTTAPAGLGLDGQRQRRRVTSQRCSLEFLEDTVGCAS
VQRTKHASGSPRHKGLKKTHFIKNMRQYDTKNSRIVLICAKRSLCAAFSVLPYGEGLRISDLRVDSQKQR
HPSGGVSVSSEMVFELEGVELGADGKVVSYAKFLYPTNALVIHKNDSHGLLPQPRPSIPRAPPGSRHKPV
PTKSTPAGTELGSDGGDAVEYNPNLLDDPQWPCGKHKRVLIFASYMTTVIEYVKPADLKKDMNETFREKF
PHIKLTLSKIRSLKREMRNLSEECSLEPVTVSMAYVYFEKLVLQGKLNKQNRKLCAGACVLLAAKISSDL
RKSEVKQLIDKLEERFRFNRKDLIGFEFTVLVALELALYLPENQVLPHYRRLTQQF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145851

ORF Size: 1428 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:

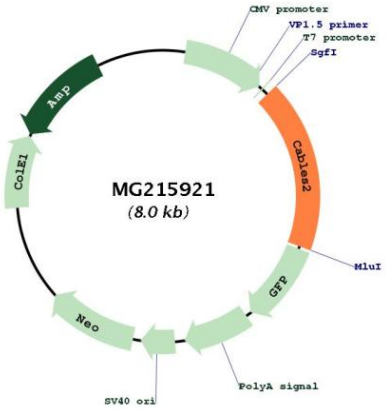
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_145851.2, NP_665850.2

RefSeq Size:	2945 bp
RefSeq ORF:	1431 bp
Locus ID:	252966
UniProt ID:	Q8K3M5
Cytogenetics:	2 H4
Gene Summary:	Unknown. Probably involved in G1-S cell cycle transition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215921