

Product datasheet for MR212058

Cc2d2a (NM_172274) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cc2d2a (NM_172274) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cc2d2a
Synonyms:	5730509K17Rik; b2b1035Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212058 representing NM_172274 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR212058 representing NM_172274
 Red=Cloning site Green=Tags(s)

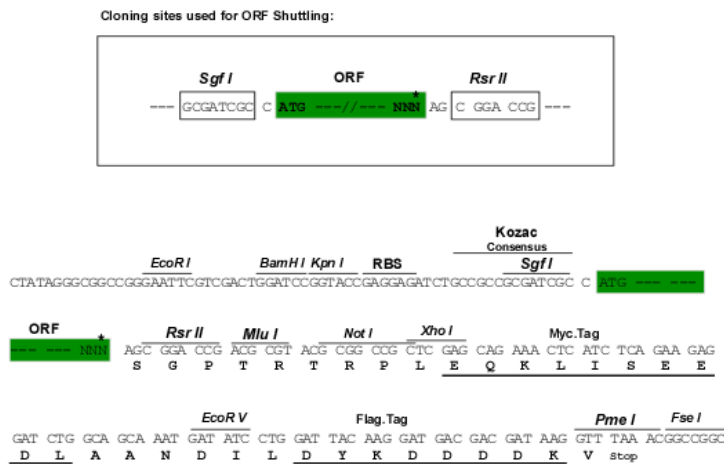
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Chromatograms: https://cdn.origene.com/chromatograms/mm9037_d08.zip

Restriction Sites: Sgfl-RsrII

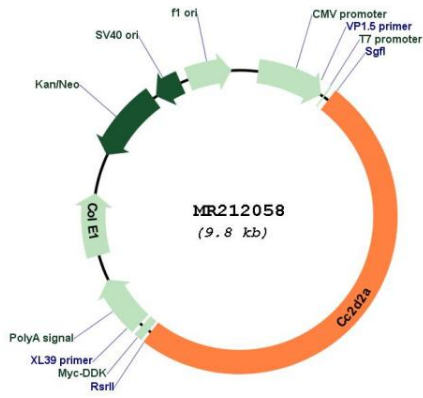
Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:	NM_172274
ORF Size:	4899 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_172274.2 , NP_758478.1
RefSeq Size:	5463 bp
RefSeq ORF:	4902 bp
Locus ID:	231214
UniProt ID:	Q8CFW7
Cytogenetics:	5 B3
MW:	187.5 kDa
Gene Summary:	Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212058