

Product datasheet for MR211452L4

Ccdc57 (NM_027745) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	mGFP
Symbol:	Ccdc57
Synonyms:	4933434G05Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211452).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

ACCN:	NM_027745
ORF Size:	3048 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_027745.1 , NP_082021.1
RefSeq Size:	3437 bp
RefSeq ORF:	3051 bp
Locus ID:	71276
UniProt ID:	Q6PHN1
Cytogenetics:	11 E2
Gene Summary:	Pleiotropic regulator of centriole duplication, mitosis, and ciliogenesis (PubMed:32402286). Critical interface between centrosome and microtubule-mediated cellular processes. Centriole duplication protein required for recruitment of CEP63, CEP152, and PLK4 to the centrosome. Independent of its centrosomal targeting, localizes to and interacts with microtubules and regulates microtubule nucleation, stability, and mitotic progression (By similarity).[UniProtKB/Swiss-Prot Function]