

Product datasheet for **RG205452**

LRRC50 (DNAAF1) (NM_178452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC50 (DNAAF1) (NM_178452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC50
Synonyms:	CILD13; DAU1; LRRC50; ODA7; swt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205452 representing NM_178452
 Red=Cloning site Blue=ORF Green=Tags(s)

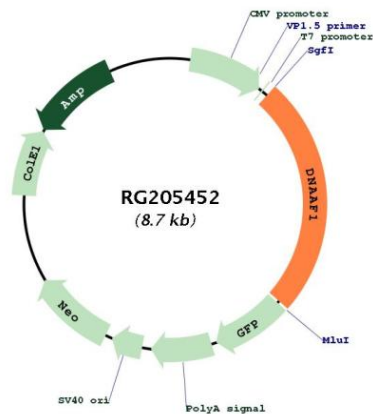
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCCTGAGCCCTCGGAGCCTGCGACAGTGGTGCAGCAGAGCTGGATTGCGCGCAGGAGCCCGCGG
 TGGAGGAGTCTGCGGGTGACCACGGGAGCGCAGGCCGAGGGGGCTGCAAGGAAGAAATTAATGATCCTAA
 GAAATATGTGTGGTCTTCTGACACATCCTACCACAGCCAGCAGAAACAGAGTGGTGATAATGGGTCA
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 GAGGGGACCTCCAGCTGAGGCCCCACCACCACCCGCTGGGAGCTGCCAGGGAAGAACCAGCTCCCC
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 ACCCTCTGGCCAGCTACTGATGCCCCCACCCTGCCAAAGAGATGCTGCACCACTCACTTCCAGTGGAGA
 CAGGGACAGCGACTTCTTGCAGCCTCTTCCGGTGCCGACTGAGAGCGCCGCCACACCCCCAGAGACG
 TGTGTCGGAGTTGCCAGCCAGCCAAGCTCTGCCACGTGGGACCTCACTGCATTTCCAGCACCCGAAAG
 CATCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

- 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.
- RefSeq:** [NM_178452.6](#)
- RefSeq Size:** 2451 bp
- RefSeq ORF:** 2178 bp
- Locus ID:** 123872
- UniProt ID:** [Q8NEP3](#)
- Cytogenetics:** 16q24.1
- Gene Summary:** The protein encoded by this gene is cilium-specific and is required for the stability of the ciliary architecture. It is involved in the regulation of microtubule-based cilia and actin-based brush border microvilli. Mutations in this gene are associated with primary ciliary dyskinesia-13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG205452