

## Product datasheet for **RG237876**

### LASS3 (CERS3) (NM\_001290342) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LASS3 (CERS3) (NM_001290342) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LASS3
Synonyms:	ARCI9; LASS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237876 representing NM_001290342. Blue=ORF Red=Cloning site Green=Tag(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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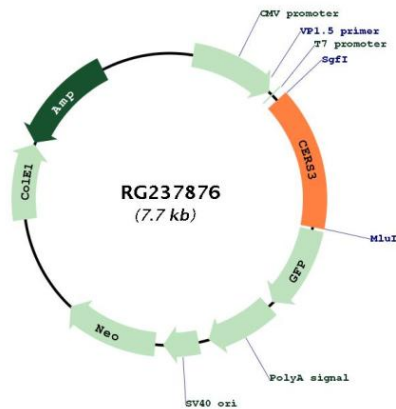
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**RefSeq ORF:** 1152 bp  
**Locus ID:** 204219  
**UniProt ID:** [Q8IU89](#)  
**Cytogenetics:** 15q26.3  
**Protein Families:** Transcription Factors, Transmembrane  
**MW:** 46.2 kDa

**Gene Summary:** This gene is a member of the ceramide synthase family of genes. The ceramide synthase enzymes regulate sphingolipid synthesis by catalyzing the formation of ceramides from sphingoid base and acyl-coA substrates. This family member is involved in the synthesis of ceramides with ultra-long-chain acyl moieties (ULC-Cers), important to the epidermis in its role in creating a protective barrier from the environment. The protein encoded by this gene has also been implicated in modification of the lipid structures required for spermatogenesis. Mutations in this gene have been associated with male fertility defects, and epidermal defects, including ichthyosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]

**Product images:**



Circular map for RG237876