

## Product datasheet for **RG239665**

### **AASDH (NM\_001286672) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AASDH (NM_001286672) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AASDH
Synonyms:	ACSF4; LYS2; NRPS998; NRPS1098
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239665 representing NM\_001286672.  
 Blue=ORF Red=Cloning site Green=Tag(s)

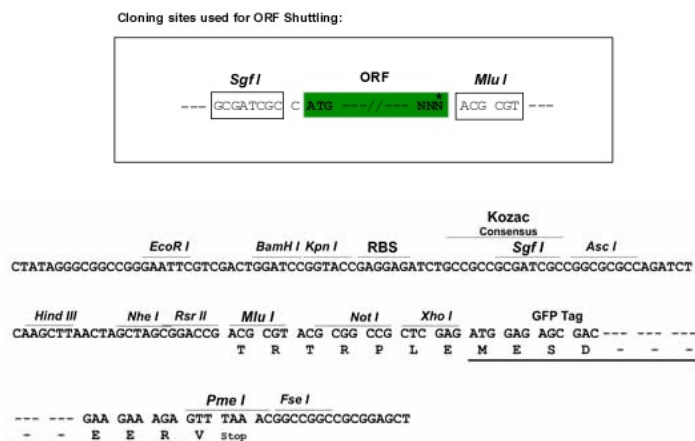
```
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TGGGAACAGATTTTGGGAGATCGAATTGAATCCTCAGCATGTGTATCTAAGTGTGAAACTTTATTGTG
GTGGGTAAGTTTTGAATTTGAGGTTTGTGGAGTTAAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239665  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MTLQELVHKAASCYMDRVAVCFDECNNQLPVYYTYKTVVNAASELSNFLLLHCFDQGIQREIGLYCQPGI
DLPSWILGILQVPAAYVPIEPDPSPPSLSTHFMKKCNLYILVEKKQINKFKSFHETLLNYDTFTVEHND
LVLFRHLHWKNTENVLMLNDGKEKEKEIKSISSEHVNEEKAEEHMDLRLKHCLAYVLHTSGTTGIPKI
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EDLWEKLQYLWKSTLNLPEDLLRVPDESFLNNGGSLKSIKIRLLSEIEKLVGTSVPLLEIILSSSILE
IYNHILQTVVPDEDVTFRKSCATKRKLSNINQEEASGTSLSHQKAIMFTTCHNEINAFVVL SRGSQILSL
NSTRFLTKLGHCSACPSDSVSQTNIQNLKGLNSPVLIGKSKDPSCVAKVSEEGKPAIGTQKMELVHVRW
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VGKFLNLRFVELN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
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```

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001286672

**ORF Size:** 2523 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).

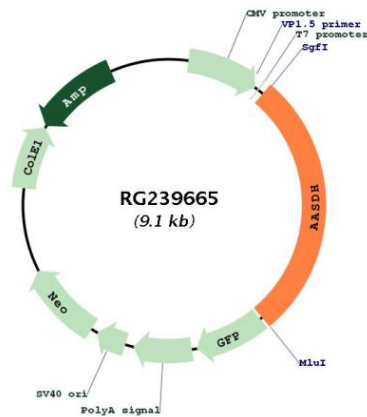
**RefSeq:** [NM\\_001286672.1](#), [NP\\_001273601.1](#)

**RefSeq Size:** 3004 bp

RefSeq ORF: 2526 bp  
 Locus ID: 132949  
 UniProt ID: [Q4L235](#)  
 Cytogenetics: 4q12  
 Protein Pathways: Lysine biosynthesis, Lysine degradation, Metabolic pathways  
 MW: 94.7 kDa

**Gene Summary:** This gene encodes a member of the non-ribosome peptide syntesase (NRPS) enzyme family. The encoded protein contains an AMP-binding domain, PP-binding (phosphopantetheine, or pantetheine 4'phosphate-binding) domain and the Pyrrolo-quinoline quinon (PQQ) binding domain. The protein is expressed in several adult tissues. [provided by RefSeq, Apr 2016]

### Product images:



Circular map for RG239665