

## Product datasheet for **RG240207**

### I Afadin (AFDN) (NM\_001291964) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	I Afadin (AFDN) (NM_001291964) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AFDN
Synonyms:	AF6; I-afadin; MLL-AF6; MLLT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240207 representing NM_001291964. Blue=ORF Red=Cloning site Green=Tag(s)

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**Protein Sequence:**

>Peptide sequence encoded by RG240207  
 Blue=ORF Red=Cloning site Green=Tag(s)

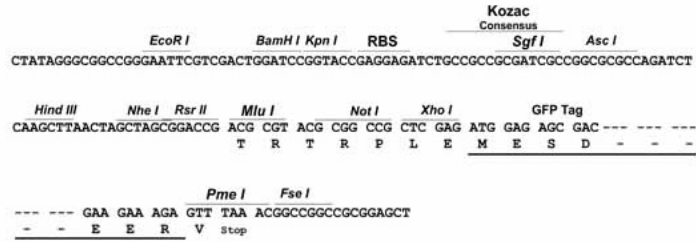
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**Restriction Sites:**

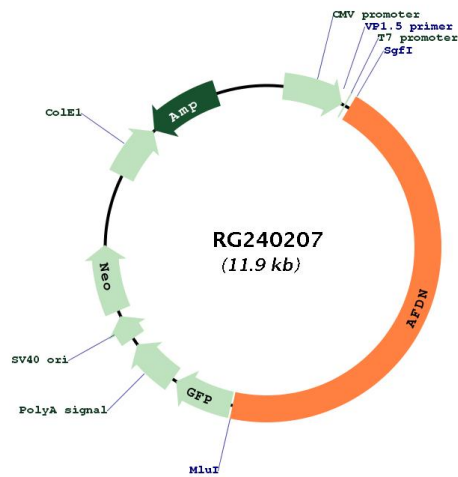
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:

NM\_001291964

<b>ORF Size:</b>	5343 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001291964.1</a> , <a href="#">NP_001278893.1</a>
<b>RefSeq Size:</b>	7750 bp
<b>RefSeq ORF:</b>	5346 bp
<b>Locus ID:</b>	4301
<b>UniProt ID:</b>	<a href="#">P55196</a>
<b>Cytogenetics:</b>	6q27
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Adherens junction, Leukocyte transendothelial migration, Tight junction
<b>MW:</b>	202.3 kDa
<b>Gene Summary:</b>	This gene encodes a multi-domain protein involved in signaling and organization of cell junctions during embryogenesis. It has also been identified as the fusion partner of acute lymphoblastic leukemia (ALL-1) gene, involved in acute myeloid leukemias with t(6;11) (q27;q23) translocation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, however, not all have been fully characterized.[provided by RefSeq, May 2011]