

## Product datasheet for RC240207

### 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:	Myc-DDK
Symbol:	AFDN
Synonyms:	AF6; I-afadin; MLL-AF6; MLLT4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240207 representing NM_001291964 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC240207 representing NM\_001291964  
Red=Cloning site Green=Tags(s)

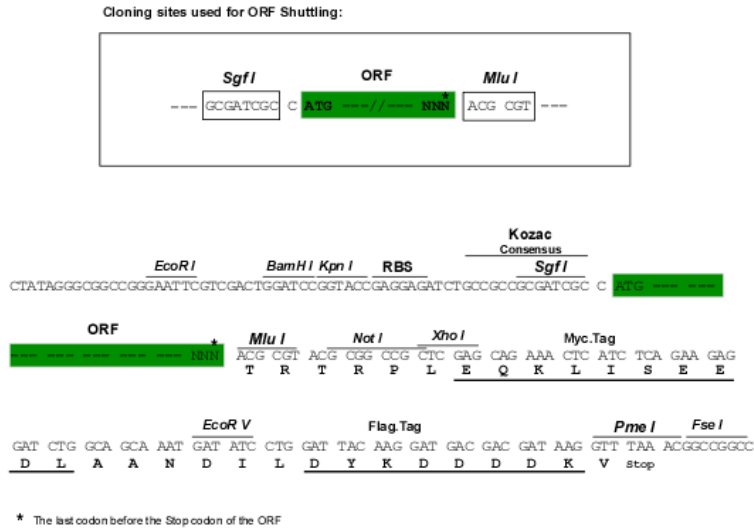
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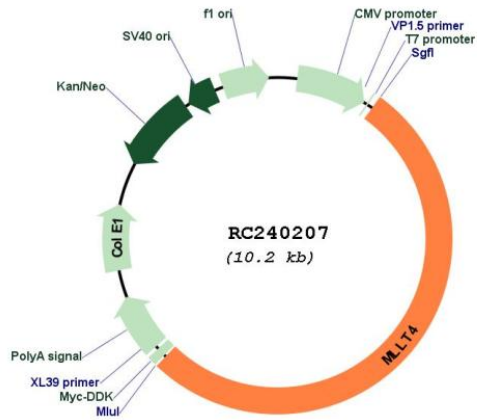
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<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]