

Product datasheet for SC331731

I Afadin (AFDN) (NM_001207008) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: I Afadin (AFDN) (NM_001207008) Human Untagged Clone
Tag: Tag Free
Symbol: AFDN
Synonyms: AF6; I-afadin; MLL-AF6; MLLT4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331731 representing NM_001207008.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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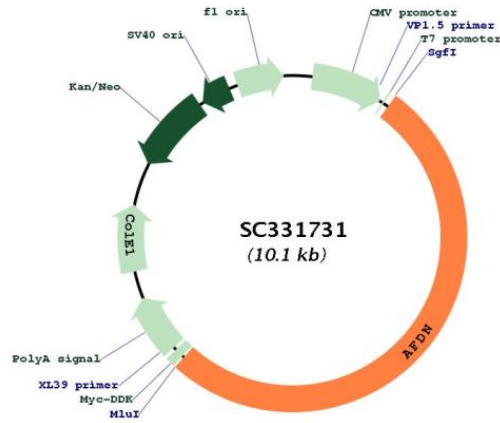


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Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_001207008

Insert Size: 5232 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001207008.1](#)

RefSeq Size: 7459 bp

RefSeq ORF: 5232 bp

Locus ID: 4301

UniProt ID: [P55196](#)

Cytogenetics: 6q27

Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Leukocyte transendothelial migration, Tight junction
MW:	197.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) has multiple differences compared to variant 4. The resulting isoform (1, also known as AF6i3) contains a C-terminal F-actin-binding site and has been shown to be involved in the regulation of epithelial wound closure and intercellular adhesion (PMID:16882694).</p>