

## Product datasheet for **RC227526**

### AFMID (NM\_001145526) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AFMID (NM_001145526) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AFMID
Synonyms:	FKF; KF; KFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227526 representing NM_001145526 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGATGTGTCTGGTGTGGGTTTCCCAAGCAAGGTTCTTGGGAAGAAGATGTCTGCAGAGGAGCTGG  
AGAATCAGTACTGTCCCAGCCGATGGGTTGTCCGACTGGGAGCAGAGGAAGCCTTGAGGACCTACTCACA  
GATAGGAATTGAAGCCACCACAAGGGCCGGCCACCAGGAAGAGCCTGCTGCATGTCCCCTATGGAGAC  
GGCGAAGGGGAGAAAGTGGACATTTACTCCCCGACGAGTCGTCTGAAGCCTTGCCTTTCTTCTCTGTCT  
TTCACGGAGGATACTGGCAGAGCGGAAGTAAGGATGAGTCTGCCTTCATGGTCCACCCGCTGACGGCACA  
GGGAGTGGCCGTGTAATAGTGGCTTACGGCATCGCCCCAAAGGCACCTGGACCACATGGTAGACCAG  
GTGACCCGCGAGCGTTGCGTTTGTCCAGAAGCGGTATCCAAGCAACAAGGGAATTTACCTGTGTGGACACT  
CAGCCGGGGCCACCTGGCTGCCATGATGCTCCTGGCCGACTGGACCAAGCATGGGGTCACGCCAACCT  
CAGAGGCTTTTTCTGGTGTGAGTGGGCTTTGACCTGGAGCCCATCGTGTATACTTACAGAACGTTGCT  
CTCCAGCTGACCTGGAGGACGCTCAGAGGAATAGCCCCAGCTGAAGGTGGCCAGGCACAGCCGGTGG  
ACCCACCTGCCGTGTGCTGGTGGTCTGGGCCAGTTCGACTCCCCGAATTCACCCGACGTCCTGGGA  
GTTTTACCAGTACTCCAGTGCAGACCCTGTGTCAAGGAGAGTGAAAGCCTCATTGAGAGCTCCAC  
GATGTGGACCACTTTGAAATTGTTGAGAATCTGACCCAGAAGGACAACGTGCTCACCCAGATTATCTTGA  
AAACAATCTTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227526 representing NM\_001145526  
Red=Cloning site Green=Tags(s)

MMDVSGVGFPSKVPWKKMSAELENQYCP SRWVRLGAEALRTYSQIGIEATTRARATRKSL LHVPYGD  
 GEGEKVDIYFPDESSEALPFFLFFHGGYWQSGSKDES AFMVHPLTAQGVAVVIVAYGIAPKGTLDHMVDQ  
 VTRSVAFVQKRYPSNKG IYLCGHSAGAHLAAMLLADWTKHGVT PNLRGFFLVSGVFDLEPIVYTSQNV A  
 LQLTLEDAQRNSPQLKVAQAQPVDPTCRVLVVVGQFDSPEFHRQSWEFYQVLPVQTL CQGEWKASFEELH  
 DVDHFEIVENLTQKDNVLTQIILKTIFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDK V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001145526

**ORF Size:** 924 bp

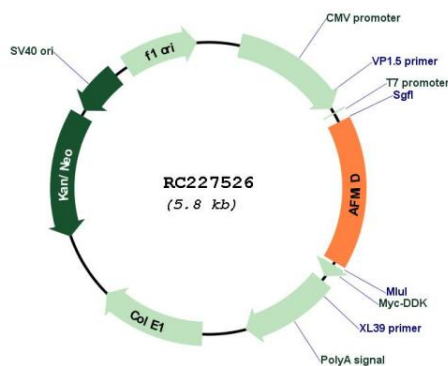
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<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_001145526.2</a> , <a href="#">NP_001138998.1</a>
<b>RefSeq Size:</b>	1770 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	125061
<b>UniProt ID:</b>	<a href="#">Q63HM1</a>
<b>Cytogenetics:</b>	17q25.3
<b>Protein Pathways:</b>	Glyoxylate and dicarboxylate metabolism, Metabolic pathways, Tryptophan metabolism
<b>MW:</b>	34.5 kDa
<b>Gene Summary:</b>	Catalyzes the hydrolysis of N-formyl-L-kynurenine to L-kynurenine, the second step in the kynurenine pathway of tryptophan degradation. Kynurenine may be further oxidized to nicotinic acid, NAD(H) and NADP(H). Required for elimination of toxic metabolites. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC227526