

Product datasheet for **RN208904**

H2afj (NM_001109610) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2afj (NM_001109610) Rat Untagged Clone
Tag:	Tag Free
Symbol:	H2afj
Synonyms:	H2a/j
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208904 representing NM_001109610 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGGGCGAGGCAAGCAGGGGGGTAAAGGTGCGGGCCAAGGCCAAGTCGCGCTCGTCGCGCGGGGCC
 TCCAGTTCCTCCGTGGGCCGTGTTACCGGCTGCTGCGCAAGGGCAACTACGCGGAGCGCTGGGCGCGGG
 AGCGCCCGTGACCTGGCGGCGGTGCTGGAGTACCTGACGGCCGAGATCCTGGAAGTGGCGGGCAACGCG
 GCGAGGGACAACAAGAAGACGCGCATCATCCCTCGCCACCTGCAGCTGGCTATCCGCAACGACGAAGAGC
 TCAACAAGCTTCTGGGCCGTGTACCATCGCGCAGGGCGGTGCTCTGCCAACATCCAGGCCGTGCTGCT
 GCCCAAGAAGACGAGAGCCAGAAGGTGAAGAGCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001109610
Insert Size:	390 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).


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001109610.2, NP_001103080.1</u>
RefSeq Size:	510 bp
RefSeq ORF:	390 bp
Locus ID:	690795
UniProt ID:	<u>A9UMV8</u>
Cytogenetics:	4q43
Gene Summary:	<p>Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. [UniProtKB/Swiss-Prot Function]</p>