

Product datasheet for **MC225241**

Ahctf1 (NM_026375) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahctf1 (NM_026375) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ahctf1
Synonyms: 6230412P20Rik; AV011447; Elys
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225241 representing NM_026375
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAAGACTTGACAGCTCAAGTACTAGTGATCTCCTGCATTTCCAGAAGTACTATTGAAGCTTTG
 GAGAAGATGAGATAACATTAGAGTCCGTGCTTCGTGGAAAGTTTGCTGCAGGGAAAAATGGACTAGCATG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_026375
- Insert Size:** 6732 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_026375.2](#), [NP_080651.2](#)
- RefSeq Size:** 8831 bp
- RefSeq ORF:** 6732 bp

Locus ID: 226747

UniProt ID: [Q8CJF7](#)

Cytogenetics: 1 83.62 cM

Gene Summary: Required for the assembly of a functional nuclear pore complex (NPC) on the surface of chromosomes as nuclei form at the end of mitosis. May initiate NPC assembly by binding to chromatin and recruiting the Nup107-160 subcomplex of the NPC. Also required for the localization of the Nup107-160 subcomplex of the NPC to the kinetochore during mitosis and for the completion of cytokinesis (By similarity). Has also been proposed to function as a transcription factor which may play a specific role in hematopoietic tissues (PubMed:11952839).[UniProtKB/Swiss-Prot Function]