

Product datasheet for **MG223137**

Ahctf1 (NM_026375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ahctf1 (NM_026375) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ahctf1
Synonyms:	6230412P20Rik; AV011447; Elys
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223137 representing NM_026375 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGACTTGACAGCTCAAGTGACTAGTGATCTCCTGCATTTCCAGAAAGTGACTATTGAAGCTTTG
GAGAAGATGAGATAACATTAGAGTCCGTGCTTCGTGGAAAGTTTCTGCAGGGAAAAATGGACTAGCATG
CTTAGCTTGTGGTCCACAACCTTGAAGTTGTAACCTCCCTAACAGGAGAGCGGTTATCTGCATATAGATTC
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ACTTGTGCTGGATTTGAGAGGAGACTTTGACATTTTTAAAGAAATCAGGACCAACTCTTAATGAAGTCA
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AAAATGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223137 representing NM_026375
 Red=Cloning site Green=Tags(s)

MQDLTAQVTSDLLHFPEVTIEALGEDEITLESVLRGKFAAGKNGLACLACGPQLEVVNSLTGERLSAYRF
 SGVNEQPPVVLAVKEFSWHKRTGLLIGLEEADGSVLCYDLGISRVVKAVVLPGRVTAIEPIINHGGASA
 STQHLHPSLRWLFVAAVVDVVGQILLIDLCLDDLSCSQNEVEASDLEVITGIPAEVPHIRERVMREGRH
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 SRLDPVERAEASFVSSVCEGETSTSNKTSVLDGIVPIESRTSILTADHKESVANTVADVESSGSTSSK
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 KML

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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]