

## Product datasheet for **MG223364**

### Hltf (NM\_144959) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hltf (NM_144959) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hltf
Synonyms:	AF010600; BC057116; P113; Smarca3; Snf2l3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG223364 representing NM\_144959  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGTCCTATACGTTACAGAGGGTCTGTTTGAAGTATTCGCAGTCTGTCCAGTATGGATCACACGAAA  
ATATTCCAAGACTTTCATACTCAACTTTCTTGCCACATTTTGAATTCCAAGACATTATTCCTCCAGATGA  
CTTCTAACGAGTGATGAAGAGCAAGATTTGGTTTTATTTGGAATATGAGAGGACAAGTTGTTGGACTA  
CGCTATTACACAGGAGTTGTAATAATAATGAAATGGTTGCTTTACAACGAGAGCCTAATAATCCCTATG  
ATAAGAATGCTATTAAGTAAATAATGTGAATGGAAATCAGGTTGGCCATATAAGAGAGAGATTGCAGC  
TGCCGTGGCCTATATCATGGACAACAAATTGGCACAAGTGAAGGTGTAGTTCCTTTTGGTGCAAGTAAT  
ACTTTTACCATGCCTCTTATATGACTTCTGGGAAAAGAAGAAAATAGAAACGTGGTTTTAGAGCAGT  
TGAAGAAACATGGATTTAAGTTGGTCCCACACCAAAGACTTTAGGGTCGAGTTTGGAGAACGCATGGGG  
CTCTGGAAGAGCTGGACCAAGCTATAGTAGGCCGGCTCATGTGGCAGTACAGATGACAACGACCAGCTC  
AAAACGGAATTTGACAAATTTTGAAGATTTAAAGAAGATGATAGAATGTTGAAATGGAACCGCTG  
AGGCTATTGAAACACCGTTGCTTCCACACCAAAAAACAAGCTCTAGCTTGGATGATCGCACGAGAGAACAG  
TAAAGAACTACCACCTTCTGGGAACAGCGCAATGACTTATTTAATAACAATAACAAATTTTTCTGTG  
AAGGAACGACCGGAAAATGTTTATGGAGGAATTTAGCGGATGATATGGGTTTGGGCAAACTCTTACTG  
CTATTGCTGTCTTTACCAACTTTGATGATGGCAGGCCCTTCTCAGTAAAGAGAGGCAAGAAGAATCA  
TCCAGGAAAGGAATACAAGGATGAGACCATTAAACGCAGAGGAAGTAATATGGACAAGAAGGAAGATGGA  
CACTCAGAGTATCCACGTGTGGTGAAGAACCAGTATTTAGGAACTCCGGAGAAGAGTAGCTGTACTC  
GTGCGCAGTGTCTAGCGTCTGCCCTAAGAGAAGAAAAATTTCTGTACAGTACATTGAAAGTAGTGATT  
AGAGGAAATCGAGACAAGCGAAGTGCCTCCAGAAAATGAAAGGCAAGCTGAAAAATGTACAGTTAAATACT  
AAAAGTAGAGTAAAAGGATCATCTAAGGTTAAGGAAGATTCAAAAATTTGCACTTACTTTTTTTGCCTCTG  
CAACACAAAGGAAAATGTTGAAAAAAGGCATGTCTATGATGGAGTGCTCAGAGGCATGTGACACTGGAGA  
GAGGACAAGAGCAACACTGATCATCTGTCCACTCTCTGTGCTCAGCAACTGGATTGACCAGTTTGGACAA  
CATGTAATAATCAGAAGTGCCTTGAATTTTTATGTTTATTATGGTCTGATCGTATTAGAGATTCAGCCT  
GGCTTTCAAAACAGGATATTATTTGACTACTTACAATTTTTAACTCATGATTGGAACATAAGATGA  
TAGTCCATTGCATAGCATCAAGTGGTTAAGGGTGATCCTGGATGAAGGCCATGCCATTCGAAATCCAAAC  
GCTCAGCAGACAAAAGCTGACTTGAGTTAGAGGCAGAAAAGAAGATGGGTATTGACAGGTAATCCTATCC  
AGAATTTTAAAGGACTTGTGGTCTCTTCTGTCTTCTTAAACTTAAGCCATTTATTGATAGAGAGTG  
GTGGTATAGGATCATACAGCGTCTGTCACTACAGGAGATGAGGGAGGACTTAGGCGTTTACAGTCTTA  
ATAAAAATATCACGCTTAGAAGAACAAAGACAAGCAAAATTAAGGGAAACCTGTTTTGGAGTTGCCAG  
AAAGGAAAGTATTTATTCAGCACACTTCTGTGAGAAGAAGAGAGAAAGATTTATCAGTCTGTTAAAAA  
TGAAGGCAAAAGCTGCCATTGGAAGGTATTTTACTGAAGGGACTGTCTTGCACACTATGCAGATGTCTTG  
GGTCTTCTGCTTAGATTGCGGCAGATTTGTTGCCATACCCATCTTCTTACAAACGGAATGTCTTCAAGTG  
GCCCTCCAGAAGTGACACGCTGAAGAGCTGAGAAAGATGTTAATAGAGAAGATGAAGATAATTCTGAG  
CTCTGGTTCAGATGAGGAATGTGCAATCTGCCTGGATTCTTAACTTTCTGTGATAACCCACTGTGCA  
CACGTGTTCTGTAACCTTGATCTGTGAGGTCAATCACAGTGAGCAGCCACATGCAAAGTGTCTTTGT  
GCAGAAATGAGATACATGGAGATAATCTATTAGAATGTCTCCCGAAGAATTGGCATGTGACAGTGACAA  
AGAGTCCAGTATGGAATGGAAGTCCAGCTCAAAGGTAAAGTCCACATGCGTAAATATTCTAATGTTTCAT  
ACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG223364 representing NM\_144959  
 Red=Cloning site Green=Tags(s)

```

MSYTFTRGPPVWKYSQSVQYGSHENIPRLSYSTFLPHFEFQDIIPPDDFLTSDEEQDLVLFGTMRGQVVGL
RYYTGVVNNEMVALQREPNNPYDKNAIKVNNVNGNQVGHKREIAAAVAYIMDNKLAQVEGVVPPFGASN
TFTMPLYMTFWGKEENRNVVLEQLKKHGFKLGTPKTLGSSLENAWGSGRAGPSYSRPAHVAVQMTTDQL
KTEFDKLFEDLKEDDRTVEMEPAEAIETPLLPHQKQALAWMIARENSKELPPFWEQRNDLYNTITNFSV
KERPENVHGGILADDMGLGKTLTAIAVILTNFDDGRPLL SKRGKKNHPGKEYKDETIKRRGSNMDKKEDG
HSESSTCGEEPSISGTPEKSSCTLSQLSSVCPKRRKISVQYIESSDSEEIETSELPQKMKGKLNQVQLNT
KSRVKGSSKVKEDSKFALTFASATQRKMLKKGSMMECSEACDTGERTRATLII CPLSVLSNWIDQFGQ
HVKSEVHLNFYVYGGPDRIRDSAWLSKQDIILTTYNILTHDYGTKDDSPHLSIKWLRVILDEGHAI RNP
AQQTKAVLELEAERRWVLTGTPIQNSLKDLSL SFLKLPKPFIDREWWYRIIQRPVTTGDEGLRRLQSL
IKNITLRRTKTSKIKGKPVLELPERKVF IQHITLSEEERKIYQSVKNEGKAAIGRYFTEGTVLAHYADVL
GLLLRLRQICCHTHLLTNGMSSSGPSRSDTPEELRKMLIEKMKIILSSGSDEECAICLDSLTFPVI THCA
HVFCKPCICQVIHSEQPHAKCPLCRNEIHGDNLLECPPEELACDSKESSEWSSKVKSTCVNILMFH
T
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



**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\\_144959.2](#), [NP\\_659208.2](#)

**RefSeq Size:** 3059 bp

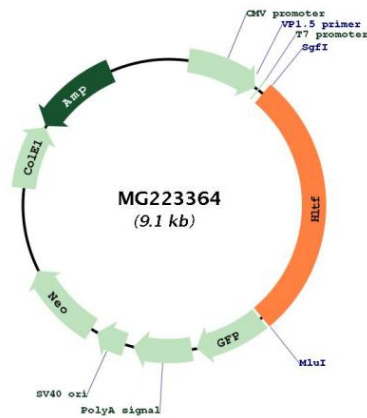
**RefSeq ORF:** 2526 bp

**Locus ID:** 20585

**Cytogenetics:** 3 6.15 cM

**Gene Summary:** Has both helicase and E3 ubiquitin ligase activities. Possesses intrinsic ATP-dependent nucleosome-remodeling activity. This activity may be required for transcriptional activation or repression of specific target promoters (By similarity). These may include the SERPINE1, to which this protein can bind directly. Plays a role in error-free postreplication repair (PRR) of damaged DNA and maintains genomic stability through acting as a ubiquitin ligase for 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG223364