

Product datasheet for **MR223364**

Hltf (NM_144959) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hltf (NM_144959) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hltf
Synonyms:	AF010600; BC057116; P113; Smarca3; Snf2l3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223364 representing NM_144959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTATACGTTACAGAGGGTCTGTTTGAAGTATTCGCAGTCTGTCCAGTATGGATCACACGAAA
 ATATTCCAAGACTTTCATACTCAACTTTCTTGCCACATTTTGAATTCCAAGACATTATTCCTCCAGATGA
 CTTCTAACGAGTGATGAAGAGCAAGATTTGGTTTTATTTGGAATATGAGAGGACAAGTTGTTGGACTA
 CGCTATTACACAGGAGTTGTAATAATAATGAAATGGTTGCTTTACAACGAGAGCCTAATAATCCCTATG
 ATAAGAATGCTATTAAGTAAATAATGTGAATGGAAATCAGGTTGGCCATATAAGAGAGAGATTGCAGC
 TGCCGTGGCCTATATCATGGACAACAAATTGGCACAAGTGAAGGTGTAGTTCCTTTTGGTGCAAGTAAT
 ACTTTTACCATGCCTCTTATATGACTTTCTGGGAAAAGAAGAAAATAGAAACGTGGTTTTAGAGCAGT
 TGAAGAAACATGGATTTAAGTTGGTCCCACACCAAAGACTTTAGGGTCGAGTTTGGAGAACGCATGGGG
 CTCTGGAAGAGCTGGACCAAGCTATAGTAGGCCGGCTCATGTGGCAGTACAGATGACAACGACCAGCTC
 AAAACGGAATTTGACAAATTTATTTGAAGATTTAAAAGAAGATGATAGAACTGTTGAAATGGAACCGCTG
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 TAGTCCATTGCATAGCATCAAGTGGTTAAGGGTGATCCTGGATGAAGGCCATGCCATTCGAAATCCAAAC
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 AGAATTTTAAAGGACTTGTGGTCTCTTCTGTCTTCTTAAACTTAAGCCATTTATTGATAGAGAGTG
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 CACGTGTTCTGTAACCTTGATCTGTGAGGTCATTACAGTGAGCAGCCACATGCAAAGTGTCTTTGT
 GCAGAAATGAGATACATGGAGATAATCTATTAGAATGTCTCCCGAAGAATTGGCATGTGACAGTGACAA
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 ACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223364 representing NM_144959
 Red=Cloning site Green=Tags(s)

MSYTFTRGPVWKYSQSVQYGSHENIPRLSYSTFLPHFEFQDIIPPDDLTSDEEQDLVLFGTMRGQVVGL
 RYYTGVVNNEMVALQREPNNPYDKNAIKVNNVNGNQVGHKREIAAAVAYIMDNKLAQVEGVVFPFGASN
 TFTMPLYMTFWGKEENRNVVLEQLKKHGFKLGPPTKLTGSSLENAWGSGRAGPSYSRPAHVAVQMTDQL
 KTEFDKLFEDLKEDDRTEVEMEPAEAIETPLLPHQKQALAWMIARENSKELPPFWEQRNDLYYNTITNFSV
 KERPENVHGGILADDMGLGKTLTAIAVILTNFDDGRPLL SKRGKKNHPGKEYKDETIKRRGSNMDKKEDG
 HSESSTCGEEPSISGTPEKSSCTLSQLSSVCPKRRKISVQYIESSDSEEIETSEL P Q K M K G L K N V Q L N T
 KSRVKGSSKVKEDSKFALTFASATQRKMLKKGMSMMECSEACDTGERTRATLII CPLSVLSNWIDQFGQ
 HVKSEVHLNFVYYYGPDRI RDSAWLSKQDIIL TTYN I L T H D Y G T K D D S P L H S I K W L R V I L D E G H A I R N P N
 AQQTKAVLELEAERRVWLTGPTIQNSLKDLSL SFLKLPKPIDREWYRI I Q R P V T T G D E G L R R L Q S L
 IKNITLRRTKTSKIKGKPVLELPERKVIQHITLSEEERKIYQSVKNEGKAAIGRYFTEGTVLAHYADV L
 GLLLR LRQICCHTHLL TNGMSSSGPSRSDTPEELRKMLIEKMKIILSSGSDEECAICLDSLTFPVI THCA
 HVFCKPCICQVIHSEQPHAKCPLCRNEIHGDNLLECPPEELACSDKESSEWSSKVKSTCVNILMFH
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

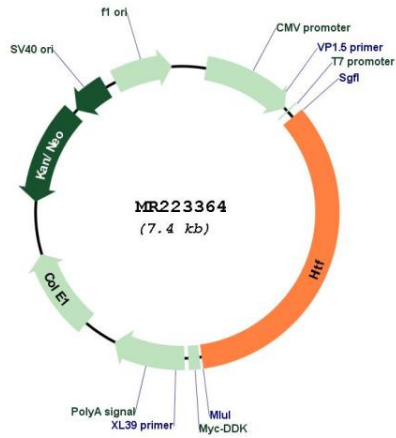
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_144959
ORF Size:	2523 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).
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:	NM_144959.2 , NP_659208.2
RefSeq Size:	3059 bp
RefSeq ORF:	2526 bp
Locus ID:	20585
Cytogenetics:	3 6.15 cM
MW:	112.1 kDa
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 MR223364