

Product datasheet for **RG222346**

HLTF (NM_139048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HLTF (NM_139048) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HLTF
Synonyms:	HIP116; HIP116A; HLTF1; RNF80; SMARCA3; SNF2L3; ZBU1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222346 representing NM_139048 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGGATGTTCAAGAGGGATCCAGTTTGAAGTACTTGCAGACTGTCCAGTATGGAGTTCATGGAA
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GAACATTAATTGACTTA
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222346 representing NM_139048
 Red=Cloning site Green=Tags(s)

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MSWMFKRDPVWKYLQTVQYGVHGNFPRLSYPTFFPRFEFQDVIPPDDLTSDEEVDVSLFGLRHVVGL
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AFTMPLHMTFWGKEENRKAIVSDQLKKHGFKLGPAPKTLGFNLESGWGSGRAGPSYMPVHAQVMTTEQL
KTEFDKLFEDLKEDDKTHEMEPAEAIETPLLPHQKQALAWMVSRENSKELPPFWEQRNDLYNTITNFSE
KDRPENVHGGILADDMLGKTLTAIAVILTDFHDGRPLPIERVKKNLLKKEYNVNDDSMKLGNNNTSEKA
DGLSKDASRCSEQPSISDIKEKSKFRMSELSSSRPKRRKTAVQYIESSDSEEIETSELPQKMKGLKNVQ
SETKGRAGAGSSKVIEDVAFACALTSSVPTTKKMLKKGACAVEGSKTDVEERPTTLIICPLSVLSNW
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AIRNPNAQQTKAVLDLESERRWVLTGTPIQNSLKDLSLLSFLKLPKIDREWWHRTIQRPVMTGDEGGL
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AAGAFGTKKPNADEMKAQKINEIRTLIDL
    
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_139048.3
RefSeq Size:	4480 bp
RefSeq ORF:	3030 bp
Locus ID:	6596
UniProt ID:	Q14527
Cytogenetics:	3q24
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a member of the SWI/SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein. [provided by RefSeq, Jul 2008]