

Product datasheet for **MR225375**

Helt (NM_173789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Helt (NM_173789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Helt
Synonyms:	A830086M02; Hesl; Heslike; megane; Mgn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225375 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACAGGCTCAAGGAACGCAAAAGAACCCGGTTTCTCATAAAGTGATAGAAAAGAGAAGGAGGG
ACCGAATTAACCGCTGCTTGAACGAGCTGGGCAAGACAGTCCCTATGGCCCTGGCGAAACAGAGTTCCGG
GAAACTGGAGAAGGCGGAGATCCTGGAGATGACAGTGCAGTACCTCAGAGCTCTGCATTCCGCGGATTTT
CCCCGGGAAGGGAAGAGCTTTTAGCAGAATTTGCCAACTACTTCCACTACGTTACCACGAGTGCA
TGAAGAACCTGGTCACTACCTACCACCGTGGAGCGGATGGAGACCAAGACACCAAGTATGCGCGCAT
CCTCGCCTTCTTGCAATCCAAGGCCCGCTGGGCGCCGAGCCACCTTTCCGCGCTCTCGCTTCCGGAG
CCAGATTTCTCCTATCAGCTGCATGCAGCAAGCCAGAGTTCCTGGGCCACAGCCAGGTGAAGCCACAA
TGTTCCCGCAGGGGGCTACCCAGGGTCATTCCCATGGCTCCTGGAGCTGCCCGCAGCCAGCACTGCC
TTACTTGTCCAGCGCGACGGTACCTCTCCCCAGCCGGCACAGCAGCACAGCCCCCTTCTTGGCTCCGATG
CAGGGCTGGACCGGCATTATCTCAATCTGATCGGCCATGGCCACCCCAACGGCCTCAACCTGCACACGC
CCCAGCACCTCCGGTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

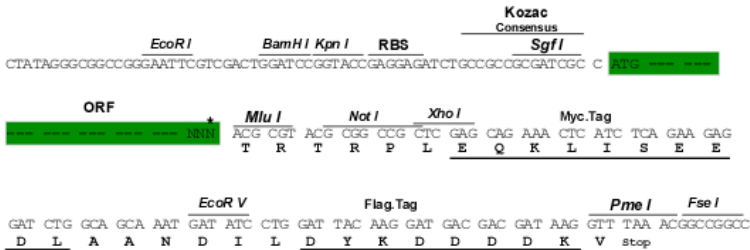


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Protein Sequence: >MR225375 protein sequence
 Red=Cloning site Green=Tags(s)

MSDRLKERK RTPVSHK VIEKRRR DRINRCLNELGKTVPMALAKQSSGKLEKAEILEMTVQYLRALHSADF
 PRGREKELLA EFANYFHYGYHECMKNLVHYLTTVERMETKDTKYARILAF LQSKARLGA EPTFPPLSLPE
 PDFSYQLHAASPEFP GHSPGEATMFPQGATPGSFWP PGAARSPALPYLSSATVPLPSPAQQHSPFLAPM
 QGLDRHYLNLIGHGHPNGLNLHTPQHPPVL

Restriction Sites: TRTRPLEQKLISEEDLAANDILDYKDDDDKV



* The last codon before the Stop codon of the ORF

ACCN: NM_173789

ORF Size: 720 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173789.4](#), [NP_776150.2](#)

RefSeq Size: 1548 bp

RefSeq ORF: 723 bp

Locus ID: 234219

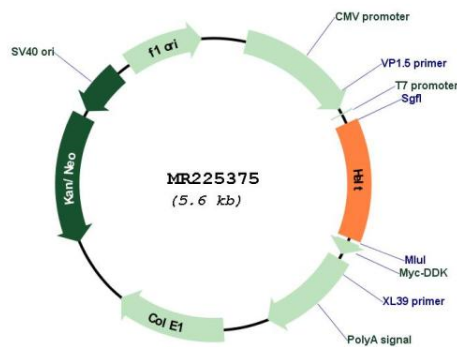
UniProt ID: [Q7TS99](#)

Cytogenetics: 8 26.32 cM

MW: 27 kDa

Gene Summary: Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGCG-3'. Required for the development of GABAergic neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225375