

Product datasheet for **MG227501**

Hdac5 (NM_001077696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac5 (NM_001077696) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hdac5
Synonyms:	AI426555; Hdac4; mHDA1; mKIAA0600
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227501 representing NM_001077696 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAACTCTCCCAACGAGTCGGATGGCATGTCAGGCCGGGAACCATCCTTGAAATCCTGCCACGGACTCCTCTGCACAGCATCCCTGTGGCAGTGGAGGTGAAGCCGGTGTGCCAGGAGCCATGCCAGCTCCATGGGGTGGAGGTGGAGGTAGCCCCAGCCCCGTGGAGCTTCGGGGGGCTCTGGCGGGCCCATGGACCTGCCCTACGGGAGCAGCAACTGCAGCAGGAGCTCCTGGTCTCAAGCAGCAGCAGCAGCTCCAGAAGCAGCTCCGTTCGCCGAGTCCAGAAGCAGCAGCAGCACTTGACCGGCAGCAGGAGTCCAGCTGCAGAAGCACCTCAAGCAGCAGCAGGAGATGCTGGCGGCTAAGAGGCAGCAGGAGCTGGAGCAGCAGCGGCAGCGGGAGCAGCAGCGGCAGGAGGAGCTGGAGAAACAGCGGCTGGAGCAGCAGCTGCTCATCCTGCACAACAGGAGAAGAGCAAAGAGAGTGCATCGCCAGCACCGAGGTAAAGCTGAGGCTCCAGGAATTCCTGTTGTCCAAGTCAAAAGGACCCACGCCAGGCGGCTCAACCATCCCTCCCACAGCACCCCAAATGCTGGGGAGCCACCACGCTCTTTGGACCAGAGTTCCCTCCCAGAGCGGCCCTCCTGGGACGCTCCCTCTACAAATTGCCTTTGCTTGGCCCTATGACAGCCGTGATGACTTCCCTCCGTAACAGCGGCTCGGAACCAACTTAAAAGTACGTTCGAGGCTAAAACAGAAGGTAGCCGAGAGGAGAAGCAGTCCCTCCTGCGTCGAAAGGATGGCAGCTGTTATTAGTACTTTTAAAGAAGAGAGCAGTTGAGATCACCGGCACGGGGCTGGGGTGTGCTCCGTGTGTAACAGTGCGGCCGCTCTGGCCCCAGCTCTCCAACAGTTCACAGCAGCAGCAGTCCGCTGAGAACGGCTTTACTGGCTCAGTCCCCAACATCCCCACTGAGATGATCCCCAGCACCGGGCCCTCCCTCTGGACAGTTCCCCAACACAGTTCAGCCTCTATACGTCTCCTTCTCTGCCAACATCTCCCTAGGGCTGCAGGCCACTGTCAGTGCACCAACCTCGCACCTCACCGCTCCCCGAAGCTGTCAACACAGCAGGAGGCTGAGAGGCAGGCCCTTCAGTCCCTGCGGCAGGGCGGCACACTGACCGGCAAGTTCATGAGCACATCCTCCATCCCTGGCTGCCTGTTGGGAGTGGCACTGGAGGTTGACACAAGCCCCACGGGCAGCTTCCCTGCTGCAGCACGTTTTGCTCCTGGAGCAGGCCCGCAACAGAGCACGCTCATAGCAGTGGCGCTCCATGGGAGTCCCAGTGGTGACGGGTGAACGTGTGGCCACCAGCATGAGGACGGTGGTAAAGCTCCGAGGCACCGACCTCTGAGCCGCACTCAGTCTCC



[View online »](#)

```
CCGCTGCCGCAGAGTCCCCAGGCCCTGCAGCAGCTGGTCATGCAGCAGCAGCACCAGCAGTTCCTGGAGA
AGCAGAAGCAGCAGCAGATGCAGCTGGGCAAGATCCTTACCAAACTGGGGAGCTGTCAAGGCAGCCAC
CACTCACCCGGAGGAGACAGAAGAGGAGCTGACGGAGCAGCAGGAGGCCCTTGCTGGGAGAGGGGGCCCTG
ACCATTCCCCGGGAAGGCTCTACAGAAAGTGAGAGCACCAGGAAGACCTAGAAGAGGAGGAGGAGGAGG
AGGAGGAGGAAGAGGAGGACTGCATTCAGGTCAAGGATGAGGATGGCGAGAGTGGTCTGATGAAGGCC
TGACTTAGAAGAGTCCAGTGTGGTTACAAAAAGTTGTTTCGAGATGCCAGCAGTTACAGCCCTCCAG
GTGTACCAGGCCCCCTCAGCCTGGCCACTGTGCCTCATCAGGCCCTGGGCCGACCCAGCCTCACCTG
CTGCTCCTGGGAGCATGAAGAGCCACAGACCAACCCACTGTGGTGAAGCACCTTTCACCACAGGTGT
GGTCTATGACACGTTTCATGCTGAAGCACCAGTGTATGTGCGGAAACACACACGTGACCCAGAGCAGCC
GGCCGCATCCAGAGCATCTGGTCCCGGCTGCAGGAAACTGGTCTGCTCGGCAAGTGTGAGCGGATCCGGG
GTCGTAAGCCACACTGGATGAAATCCAGACCGTGCCTCTGAGTACCACACCCTGCTCTATGGGACCAG
CCCCCTTAACCGGCAGAAGCTGGACAGCAAGAAGCTGCTTGGCCCATCAGCCAGAAGATGTACGCCATG
CTGCCCTGTGGGGCATTGGGGTGGACAGTGACACGGTGTGGAATGAGATGCACTCCTCAAGTCCGCTGC
GAATGGCAGTGGGCTGCCTGGTGGAGCTGGCCTCAAGGTGGCTGCAGGAGAGCTCAAGAATGGATTTC
TATCATCCGGCCCCAGGACACCATGCTGAGGAGTCCACAGCCATGGGATTCTGTTCTTCAACTCCGTA
GCCATCACAGCTAAACTCCTGCAGCAGAAGCTGAGCGTGGGCAAGTCCCTCATCGTGGACTGGGATATTC
ACCATGGCAACGGCACCCAGCAAGCATTCTACAACGATCCCTCTGTGCTCTACATCTCCCTGCATCGCTA
CGACAACGGGAATTCTTCCAGGCTCTGGGGCTCCTGAAGAGGTTGGTGGAGGGCCAGGTGTGGGGTAC
AACGTAATGTGGCGTGGACAGGAGGTGTGGATCCCCCATTGGAGATGTGGAATACCTGACAGCCTTCA
GGACAGTGGTGTGCCATTGCCAGGAGTTCTCACCTGACGTCGTCCTAGTCTCCGCTGGGTTTGTATGC
TGTTGAAGGACATCTGTCTCCACTGGGTGGCTATTCTGTACCGCCAGATGTTTTGGCCACTTGACCAGG
CAGCTCATGACTGGCTGGGGGCCGGGTGGTGTGGCCCTGGAGGGAGGCCATGACTTGACCGCCATCT
GAGCTCCTCTGAGGCCGTGTCTCGGCTCTGCTCAGCGTGGAGCTGCAGCCCTGGATGAAGCAGTCTT
GCAGCAAAAGCCAGCGTCAATGCGGTTGCCACACTAGAGAAAAGTCATCGAGATCCAGAGCAAAACACTGG
AGCTGTGTACAGAGGTTTCCCGTGGTCTGGGCTGCTCGCTGCGGGAGGCTCAGACAGGTGAGAAAGAGG
AGGCCGAGACTGTGAGCGCCATGGCCCTGCTTCCGTGGGGCTGAGCAGGCCAGGCTGTTGCCACTCA
AGAGCACAGCCCCAGGCCAGCAGAGGAGCCATGGAGCAGGAGCCTGCCCTG
```

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227501 representing NM_001077696
 Red=Cloning site Green=Tags(s)

```
MNSPNESDGMMSGREPSLEILPRTPLHSIPVAVEVKPVLPGAMPSSMGGGGGSPSPVELRGALAGPMDPA
LREQQLQQELLVLKQQQLQKQLLFAEFQKQHDHLTRQHEVQLQKHLKQQQEMLAARQQELEQQRQREQ
QRQEELQKQRLQQLLILRNKEKSKESAIASTEVLRLQEFLLSKSKEPTPGGLNHSLPQHPKCWGAHHA
SLDQSSPPQSGPPGTPPSYKPLLLGPYDSRDDFPLRKTASEPNLKVRSRLKQKVAERRSSPLLRRKDGTV
ISTFKKRAVEITGTGPGVSSVCNSAPGSGPSSPNSHSTIAENGF TGSVPNIPTMIPQHRALPLDSSPN
QFSLYTSPLPNIISLGLQATVTVTNSHLTASPKLSTQQEAERQALQSLRQGGTLTGKFMSTSSIPGCLLG
VALEGDTSPHGHASLLQHVLLEQARQQSTLIAVPLHGQSPLVTGERVATSMRTVGKLPHRHPLSRTQSS
PLPQSPQALQQLVMQQHQQFLEKQKQQMQLGKILTKTGELSRQPTTHPEETEELTEQQEALLGEGAL
TIPREGSTESESTQEDLEEEEEEEEEEEEDCIQVKDEDESGPDEGPDLEESSAGYKLFADAQQLPQLQ
VYQAPLSLATVPHQALGRTQSSPAAPGSMKSPTDQPTVVKHLFTTGVVYDTFMLKHQCMGNTHVHPEHA
GRIQSIWSRLQETGLL GK CERIRGRKATLDEIQT VHSEYHTLL YGTSPLNRQKLD SKKLL GPI SQKMYAM
LPCGGIGVSDTVWNEMHSSSAVRMAVGCLVELAFKVAAGELKNGFAIIRPPGHAEESTAMGFCFFNSV
AITAKLLQKLSVGKVLIVDWDIHHGNGTQAFYNDPSVLYISLHRYDNGNFFPGSGAPEEVGGPGVGY
NVNVAWTGGVDPPIGDVEYLTAFRTVVMPIAQEFSPDVVLYSAGFDAVEGHL SPLGGYSVTARCFGHLTR
QLMTLAGGRVVLAL EGGHDLTAICDASEACVSALLSVELQPLDEAVLQQKPSVNAVATLEKVIIEIQSKHW
SCVQRF AAGLGC SLREAQTGEKEEAETVSAMALLSVGAEQAQAVATQEHSRPAEEPMEQEPAL
```

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001077696.1, NP_001071164.1</u>
RefSeq Size:	3816 bp
RefSeq ORF:	3348 bp
Locus ID:	15184
Cytogenetics:	11 D