

Product datasheet for **SC127689**

HDAC6 (BC011498) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC6 (BC011498) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDAC6
Synonyms:	FLJ16239; HD6; histone deacetylase 6; JM21; KIAA0901; OTTHUMP00000032398
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127689 sequence for BC011498 edited (data generated by NextGen Sequencing)

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ATGACCTCAACCGGCCAGGATTCCACCACAACCAGGCAGCGAAGAAGTAGGCAGAACCCC  
CAGTCGCCCCCTCAGGACTCCAGTGTCACTTCGAAGCGAAATATTA AAAAGGGAGCCGTT  
CCCCGCTCTATCCCAATCTAGCGGAGGTAAAGAAGAAAGGCAAAATGAAGAAGCTCGGC  
CAAGCAATGGAAGAAGACCTAATCGTGGGACTGCAAGGGATGGATCTGAACCTTGAGGCT  
GAAGCACTGGCTGGCACTGGCTTGGTGTGGATGAGCAGTTAAATGAATTCCATTGCCTC  
TGGGATGACAGCTTCCCGGAAGGCCCTGAGCGGCTCCATGCCATCAAGGAGCAACTGATC  
CAGGAGGGCCTCCTAGATCGCTGCGTGCCTTTCAGGCCCGGTTTGCTGAAAAGGAAGAG  
CTGATGTTGGTTCACAGGTGA
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Clone variation with respect to BC011498.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC011498 unedited GCCGCGAAATTCGCACGAGGGCGGGGCTGGTTGAAACGCTAGGGGCGGGATCTGGCGGAG TGGAGAACC CGCGCAGGGGCCAAGCCTCCTCAACTATGACCTCAACCGGCCAGGATTCC ACCACAACCAGGCAGCGAAGAAGTAGGCAGAACCCCAAGTCGCCCCCTCAGGACTCCAGT GTCACTTCGAAGCGAAATATTA AAAAGGGAGCCGTTCCCCGCTCTATCCCAATCTAGCG GAGGTAAGAAGAAGGCAAAATGAAGAAGCTCGGCCAAGCAATGGAAGAAGACCTAATC GTGGGACTGCAAGGGATGGATCTGAACCTTGAGGCTGAAGCACTGGCTGGCACTGGCTTG GTGTTGGATGAGCAGTTAAATGAATTCCATTGCCCTGCGGATGACAGCTTCCCGGAAGGC CCTGAGCGGCTCCATGCCATCAAGGAGCAACTGATCCAGGAGGGCCTCCTAGATCGCTGC GTGTCCTTTCAGGCCCGTTTGCTGAAAAGGAAGAGCTGATGTTGGTTACAGGTGAAGG CTTGGGAGCCTTGATGGGATGGGAGGAGCCTGCCCTGGACAAACCAGGGCAAGCTAAAC GCTTTGGGAAGCAATGTCATGGTCTCTGCAGCCAGCCTTGGGCAAGTCGCTGAGCCTTTC TGAATCTGTGTCATCGCCTGTAACAAGGGGACCAGTANACATAAGTTCCTCAGGAGATC TGATGTGTGTCAGTGCCTAAACAGGGCCTGATTATAATCAGCCCATGATGAGCCATTAC TGGTATCATGGACCGAATGTGTGAAATAAAGGTGGATGTGTGAACAGAGGATCGGGTTT
Restriction Sites:	NotI-NotI
ACCN:	BC011498
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC011498.1 , AAH11498.1
RefSeq Size:	1859 bp
RefSeq ORF:	441 bp
Locus ID:	10013
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. [provided by RefSeq, Jul 2008]