

Product datasheet for **SC111566**

HEXD (NM_173620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEXD (NM_173620) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEXD
Synonyms:	HEXDC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_173620, the custom clone sequence may differ by one or more nucleotides

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ATGTCAGGTTCCACTCCATTTAGATGAGATTAGTTTATTTAGACCTTAAAGGAGCTCCACCAAAGGTCT
CGTACCTCTCAGAGATTTTTCTCTGTTCCGTGCGCTAGGTGCAAACGGCCTCCTATTGAGTATGAAGA
CATGTTTTCCCTACGAGGGCCCTCTGAGGCTGCTGAGGGCCAAGTACGCCTACAGCCCCTTGAAATCAAA
GAGATCTTGCATCTGGCTGGACTCAATGAGCTGGAGGTGATTCCCTTGGTGCAGACATTTGGACACATGG
AGTTTGTGCTGAAGCACACGGCCTTCGCCACCTGCGGGAGGTGGGCTCCTTCCCTGCACCCTGAACCC
CCACGAGGCAGAGTCCCTGGCGCTGGTGGGCGCCATGATTGACCAGGTCTGGAGCTACACCCAGGCGCC
CAGCGGCTGCACATCGGGTGTGATGAGGTCTATTACCTCGGAGAGGGGAGGCCTCGCGCCGGTGGCTAC
AGCAAGAGCAGAACAGCACGGGAAGTTGTGCTGTACACATGCGGGCGGTGGCCAGCGGCGTGAAGGC
CCGGCGCCCCAGCGTGACACCCCTGGTGTGGGACGACATGCTCCGAGACCTGCCTGAGGACCAGCTCGCA
GCGTCCGGGTGCCGAGCTGGTGGAGCCGGTGTCTGGGACTACACGGCCGACCTGGATGTGCACGGCA
AGGTCCTCCTCATGCAGAAGTACCGGCGGTGCGGCTTTCCGAGCTGTGGGACGCCAGTGCCTTCAAGGG
TGCCACGGGGCCAGCCAGGCGCTGCCCTGTTGAGCACACCTCAGGAACACGTGCAGTGGCTGCAG
GTGGCGGGCAGCGGGCCACGGACTCACTGCAGGGCATATCCTGACCGCTGGCAGAGGTACGACCACT
ACTCTGTGCTGTGCGAGCTGTGCCCCGAGGAGTCCCGTCCCTGGCCGCTGCCTGCAGTTGCTTCTACG
CGGAGGATTTGATGAAGATGTTAAAGCGAAAGTGGAGAACCTTCTCGGGATTTCCAGCCTGGAAAAACG
GACCCTGTTAGGCAAGCACCTCGACGCCCTCCCTGTCCCTTCTTCCCTCCCTTCCCCCGCCGTTGGA
GACAGCTGTTCTCAGCAGGGCTCTCCGAGGGAGGGGGCCGGCTCCTTCCCTGGCAGCAACATCCTTGCC
CTTGTCACACAAGTCAGCCTCCATCTGCGCAGCTCTGTGGATGCGCTGCTGGAGGGCAACAGGTATGTCA
CTGGCTGGTTCAGCCCTACCACCGCCAGCGGAAGCTCATCCACCGGTGATGGTTCAGCACATCCAGCC
CGCAGCGCTCAGCCTCCTGGCACAGTGGAGCACCTCGTGCAGGAGCTGGAGGCTGCCCTGCAGCTGGCT
TTCTACCGGATGCCGTGGAGGAGTGGCTGGAGGAAAACGTGCACCCAGCCTGCAGCGGTGCAAGCTC
TGCTGCAGGACCTCAGCGAGGTGTCTGCCCCCGCTGCCACCCACCAGCCCTGGCAGGGACGTTGCTCA
GGACCCCTGAGGGGAGAGCTCATGCCAGGGGGCTCCTGCTGGAGGCTGGGGGGCTGCACTGCCAAAT
GGCCTGGGCAATACGGGGCCACGTGGGCGTCTGCCCTCTGGCCAGCAGTGTCTTGCCCACTCAGTT
CCTGAGGGCCCTGGGCAGCCCTGGGGGAGAGACTAGAAAACACAGAAGGAAGCAGCACAGGGAGACCCG
CTTTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_173620 unedited

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GGGAGGGAACCCCNCCCTTCCCCCCCCGGGTTTCAAGATTGTAACGACTCACTATAGGC
GGCCGCGAATTCGCACGAGNAGCAATCGGCGCGGAGCGGGGCGGGGCTCAGAGCGGAGG
CGGCGGCGCGAGGGCGGGGCGGCCGGGCTGGCTGCGCCCCGGACCTCGCGGGACCGC
GGCGGCGCAGGAAGAAGTCCCCAAGGAGACTTCGCCATAGGAGTTCACAGGAAATATTGA
AATGTGAGGTTTCACTCCATTTAGATGAGATTAGTTTATTTAGACCTTAAAGGAGCTCC
ACCAAAGGTCTCGTACCTCTCAGAGATTTTCTCTGTTCCGTGCGCTAGGTGCAAACGG
CCTCCTCATTGAGTATGAAGACATGTTTCCCTACGAGGGCCCTCTGAGGCTGCTGAGGGC
CAAGTACGCTACAGCCCTCTGAAATCAAAGAGATCTTGATCTGGCTGGACTCAATGA
GCTGGAGGTGATTCCCTTGGTGCAGACATTTGGACACATGGAGTTTGTGCTGAAGCACAC
GGCCTTCGCCACCTGCGGGAGGTGGGCTCCTTCCCTGCACCCTGAACCCCAAGAGGC
AGAGTCCCTGGCGCTGGTGGGCGCCATGATTGACCAGGTCTGGAGCTACACCCAGGCGC
CCAGCGGCTGCAGTGGGTGTGATGAGGTCTATTACCTCGAGAGGGGGAGCCTCGCG
CCGGTGGCTACAGNCAGAGCAGAACAGCACGGGGAAGTTGTGCCTGTACACATGCGGGG
CGGTGGCCACCGCGTGAAGGCCNCGCGCCAGCGTGACACCCCTGGTGTGGGACGACA
TGCTCCGAGACCTGCCTGAGGACAGCTCGACAGTCCGGGTGGCGACCTGGTGGAGCGGT
GCTCTGGGACTACACGGCGACCTGNAGTGACGGCAAGT
    
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Restriction Sites:

ECoRI-NOT

ACCN:

NM_173620

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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.
RefSeq:	NM_173620.1 , NP_775891.1
RefSeq Size:	1953 bp
RefSeq ORF:	1482 bp
Locus ID:	284004
UniProt ID:	Q8WVB3
Cytogenetics:	17q25.3
Gene Summary:	Has hexosaminidase activity. Responsible for the cleavage of the monosaccharides N-acetylglucosamine (GlcNAc) and N-acetylgalactosamine (GalNAc) from cellular substrates. Has a preference for galactosaminide over glucosaminide substrates (PubMed:27149221). [UniProtKB/Swiss-Prot Function]