

Product datasheet for **SC324194**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_173620.1
 CGGGCCTGGCTGCGCCCCGGACCTCGCGGGACCGCGGCGCAGGAAGAAGTCCCCAA
 GGAGACTTCGCCATAGGAGTTTACAGGAAATATTGAAATGTCAGGTTCCACGCCATTTC
 GATGAGATTAGTTCATTTAGACCTTAAAGGAGCTCCACCAAAGGTCTCGTACCTCTCAGA
 GATTTTTCTCTGTTCCGTGCGCTAGGTGCAAACGGCCTCCTCATTGAGTATGAAGACAT
 GTTTCCTACGAGGGCCCTCTGAGGCTGCTGAGGGCCAAGTACGCCTACAGCCCCCTGA
 AATCAAAGAGATCTTGCATCTGGCTGGACTCAATGAGCTGGAGGTGATTCCCTTGGTGCA
 GACATTTGGACACATGGAGTTTGTGCTGAAGCACACGGCCTTCGCCACCTGCGGGAGGT
 GGGCTCCTTCCCTGCACCTGAACCCCAAGAGCAGAGTCCCTGGCGCTGGTGGGCGC
 CATGATTGACCAGGTCTGGAGCTACACCCAGGCGCCAGCGGCTGCACATCGGGTGTGA
 TGAGGTCTATTACCTCGGAGAGGGGAGGCCTCGCGCCGGTGGCTACAGCAAGAGCAGAA
 CAGCACGGGAAGTTGTGCTGTACACATGCGGGCGGTGGCCAGCGGCTGAAGCCCCG
 GCGCCCCAGCGTACACCCCTGGTGTGGGACGACATGCTCCGAGACCTGCCTGAGGACCA
 GCTCGCAGCGTCCGGGTGCCGAGCTGGTGGAGCCGGTCTCTGGGACTACACGGCCGA
 CCTGGATGTGTACGGCAAGGTCTCTCATGCAGAAGTACCGGCGGTGCGGCTTTCCGCA
 GCTGTGGGACGACGTGCCTTCAAGGGTGCCACGGGGCCAGCCAGGCCGTGCCCTGT
 TGAGCACCACTCAGGAACACGTGCAGTGGCTGCAGGTGGCGGGCAGCGGGCCACGGA
 CTACTGCAGGGCATCATCCTGACCGGCTGGCAGAGGTACGACCACTACTCTGTGCTGTG
 CGAGCTGCTGCCCGCAGGAGTCCCGTCCCTGGCCGCTGCCTGCAGTTGCTTCTACGCGG
 AGGATTTGATGAAGATGTTAAAGCGAAAGTGGAGAACCTTCTCGGGATTTCAGCCTGGA
 AAAACGGAACCTGTTAGGCAAGCACCTGCAGCCCTCCCTGTCCCTTCTTCCCTCCC
 CTTCCCCCGCCGTGGAGACAGCTGTTCTCAGCAGGGCTCTCCGAGGGAGGGGGCCGGC
 TCCTTCCCTGGCAGCAACATCCTTGCCCTTGTACACAAGTCAGCCTCCATCTGCGCAGC
 TCTGTGGATGCGCTGCTGGAGGGCAACAGGTATGTCAGTGGCTGGTTCAGCCCCCTACCAC
 CGCCAGCGGAAGCTCATCCACCCGGTTCATGGTTCAGCACATCCAGCCCGCAGCGCTCAGC
 CTCCTGGCACAGTGGAGCACCTCGTGCAGGAGCTGGAGGCTGCCCTGCAGCTGGCTTTC
 TACCCGGATGCCGTGGAGGAGTGGCTGGAGGAAAACGTGCACCCAGCCTGCAGCGGCTG
 CAAGCTCTGCTGCAGGACCTCAGCGAGGTGTCTGCCCCCGCTGCCACCCACCAGCCCT
 GGCAGGGACGTTGCTCAGGACCCCTGAGGGGAGAGCTCATGCCAGGGGGCTCCTGCTGGA
 GGCTGGGGGGGCTCTGCACTGCCAAATGGCCTGGGCAATACGGGGCCACGTGGGCGTCGT
 GCCCTCTGGCCCAGCAGTGTCTTGCCCACTCAGTTCTGAGGGCCCTGGGAGCCCT
 GGGGAGAGACTAGAAAACAGAAAGGAAGCAGCACAGGGAGACCGCTTTGTGATCTGC
 ATGTGTGACACTGATTCTTTGAAATAAAGAGTGGAAGCTGCAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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]