

Product datasheet for **SC208386**

HEXA (NM_000520) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HEXA (NM_000520) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HEXA
Synonyms:	TSD
ACCN:	NM_000520
Insert Size:	2000 bp



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Insert Sequence:

>SC208386 3'UTR clone of NM_000520

The sequence shown below is from the reference sequence of NM_000520. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCTGTGAGCAGGAGTTTGAACAGACCTGAGCCCCAGGCACCGAGGAGGGTGTGGCTGTAGGTGAATG
GTAGTGGAGCCAGGCTTCCACTGCATCCTGGCCAGGGGACGGAGCCCTTGCCTTCGTGCCCTTGCCCT
GCGTGCCCTGTGCTTGGAGAGAAAGGGCCGGTGTGGCGCTCGCATTCAATAAAGAGTAAATGTGGCA
TTTTTCTATAATAACATGGATTACCTGTGTTAAAAAAGTGTGAATGGCGTTAGGGTAAGGGCA
CAGCCAGGCTGGAGTCAGTGTCTGCCCTGAGGTCTTTAAGTTGAGGGCTGGGAATGAAACCTATAGC
CTTTGTGCTGTTCTGCCTTGCTGTGAGCTATGCTACTCCCTCCACTCCTGACCATATCCAGACAC
CTGCCCTAATCCTCAGCCTGCTCACTTCACTTCTGCATTATATCTCCAAGCGTTGGTATATGAAAAA
GATGTAGGGGCTTGGAGGTGTTCTGGACAGTGGGAGGGCTCCAGACCCAACTGGTCACAGAAGAGCC
TCTCCCCATGCATACTCATCCACTCCCTCCCTAGAGCTATTCTCCTTTGGGTTTCTTGCTGCTTCA
ATTTTATAACAACCATTATTTAAATATTATTAACACATATTGTTCTCTAGGCACTGTGGTGTGGTGT
TTTTGTTGTTTTGTTTTGAGACTGTCTCAAAACTCTGTGCCCAGGCTGACAGTGCAGTGGCACAA
TCTTGGCTCACTGCAGCCTCTGCCTCCTGGGTTCAAGCGATTCTCGTGCATCAGCCTCCTGAGTAACTG
GAATTAATAGGCACGTGCCACCATGTCCATCTAATTCATATATATATATTTTTTTTTCTGAGACGGAG
TCTCACTGTACACAGGCTGGAGTGCAGTGGCACGATCTCGACTCACTGCAAGCTCCACCTCCTGGGTT
CACGCCATTCTCCTGCCTCAGCCTCCCCAGTAGCTGGGACTACAGGCGCCCGCCACCACGCCCGGCTAA
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CCTCCCAACCATTTTTCAGCCAAAGCATCTTCGCAGGGAATGGATGGCTGCGCGGAGGTGGGCGGTGGC
TCTGGAGAGGGTCTTTCAGGTGTGATTTTCTCTAGAAGGAAATGTCTCGTGTGGACCCAGACTGCC
CCTCCTGGTTTCAGATGCAGAAGTACTGTAAGCCAGAGGCGGGGCGAGTAATGCATCGCAGCCATT
TTAGGTGAGGATTTCTTGGCGTTATTTGTTAAGTCTTTGGCTGGGCCCTGGGCTGGGTAACAATG
GACAGGTTCCAGCATTTTTTTCAGAAAGCTTCCAGTGTAGTGGATACAGAACTTCAGGAAGGCAGGG
CTGAGAAGGATCTGAGTAAAACCTCGTCCTTCAACACCATCCTTCAGCCCTGGGTCATGTTCTTCGA
GGTCTGTGGTGGGAGGTAGACAAGCCTAGCCTTGTGCTGTTCTGTAAAGGACAGGGTGGGCATTTTCTAC
CAACAGAAATCTTGAATTTTTCACACAGCCAGCCTAGCCAAGTCCAGGGCTATAGCCAGATACACAA
GTTAAGGTCCCAGCACTGGCACCCACCACAGGAGCCCCCTTACCTCTATTACCCAGAAGCTTGTAGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

NM_000520.6

Summary:

This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]

Locus ID:

3073

MW:

74