

Product datasheet for SC211089

GCSH (NM_004483) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GCSH (NM_004483) Human 3' UTR Clone
Symbol:	GCSH
Synonyms:	GCE; NKH
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004483
Insert Size:	951 bp
Insert Sequence:	>SC211089 3'UTR clone of NM_004483 The sequence shown below is from the reference sequence of NM_004483. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAGAAATACATAAAATCTATTGAGGAGTAAATGGAACCTCTAAATAAACTAGTATGAAATAACGCAA
GCCAGCAGAGTTGTCTTAAATTAGTGGTGGATAGAAGACTTAGAATAGAACTTTTAGTATTACCGATG
GGGAAAAAAAAACTACTGTTAACTGCTAATGAAAGAAAATGCCCTTTAACTTTCTAATGATTATAGA
TAAATATAATATGCGTCTTTTCAATATCCTATGATTTTACTAGGCTCTAGTGTTTCAAGATTCA
TGAAATTATCCATGGTAACTAGTTATAAAATTACATAATTCAAAGATAACATTGTTATTCTTAAG
CCTTATATAATATTGTAACCTGCATGTATCCATACCTGGATTTGGGATGAAATACTTAATGATCTTTCC
ATTGGAATAACTGGAAGTGAAGAGGTTTTGTTGCTTGTACAGTGTGAGGAAACACCACTATCTT
AATTTTGCATACACTGCATTTGCTGGTGCTATTTTATACAGTGAAGCAACAGCTTTGCAGCAAAATA
ATAAAATACTTCTCGTTAATCATGTTTGTGTTGATGTTAATATTTTCACTTAGTAACCTGCTAGTATT
TGTGAAAGTGCTAACTTTAACTTACGGAAGTTACTTTTTAAAGGAAATTTAAGCCAGAACAAATGCAA
AGCTCCAAGAAAATGTTTTCTTTAGTCACAAATCTGGTTTTTCTTAAGCCAAGATCTGTCACCTTTAAC
ATAATAAAAAATAAATACCAACTTTGATTTTCTATCATGCGAGGTCTGAAGAAAGAAGAGGAAAGACA
GAGGAAGGTGGAAGTTTTGATCAGTATAGCAGATGGTGTGTTTTAAGTTGTTAAACCACGTTACAGGTTTC
CACTTAAGTCATGGGAATAAAAGTGGACAAGGACTGAAGCTTTATGAGCTCAGA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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_004483.5
Summary:	Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the H protein, which transfers the methylamine group of glycine from the P protein to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH). Two transcript variants, one protein-coding and the other probably not protein-coding, have been found for this gene. Also, several transcribed and non-transcribed pseudogenes of this gene exist throughout the genome.[provided by RefSeq, Jan 2010]
Locus ID:	2653
MW:	37.2