

Product datasheet for SC306253

Gsh1 (GSX1) (NM_145657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsh1 (GSX1) (NM_145657) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gsh1
Synonyms:	Gsh-1; GSH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306253 representing NM_145657. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGCCGCGCTCCTTCCTGGTGGACTCGCTAGTGTGCGCGAGGCGGGCGAGAAGAAGCGCCCGAGGGC
 AGCCCGCCGCGCTCTTCCCTACGCTGTGCCCCGCCGACGCGCTGCACGGTCTCTCGCTGGCGCC
 TGCCACGCGCGCAAGGCTGGGCTGCTGTGCGTGTGCCGCTCTGCGTCACCGCTCGCAGTGCATGGG
 CCCCCGGGCGCCGCGCTGCCTCTACTCAAGGCTTCTTCCACCCTTCGGCTCGCAGTACTGCCAC
 GCGCCCTGGGCGCCAGCACTCTGCTGTGTCGCCGGGTGCTCACGCGCCGGCGCCGCTGCTGCT
 GCCGCCGCGCTCTACCAGACCTCTACCGCTGCCTGACCCAGGCAGTCCACTGCATCTCTGTGGAC
 AGCAGCTCTAACCAGCTGCCAGCAGCAAGAGGATGCGCACGGCTTTCACCAGCACGCGCTGCTAGAG
 CTGGAGCGCGAGTTCGCTTCTAATATGTACCTGTCCCGCTACGTGCGATCGAGATCGCGACCTACCTG
 AATCTGTCCGAGAAGCAGGTGAAGATCTGGTTTCAGAACCGCCGAGTGAAGCACAAGAAGGAGGGCAAG
 GGCAGCAACCATCGTGGCGGGCGGGCGGGGGTGCCGGTGGTGGCGGGAGCGCACCGCAAGGCTGCAAG
 TCGCATCGCTCTCTCAGCCAAGTGTCCGAGGATGACGACGAATTGCCATGTCTCCGTCCTCTCA
 GGAAGGACGACCGGGATCTTACGGTCACTCCCTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_145657
Insert Size:	795 bp


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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).
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:	<u>NM_145657.2</u>
RefSeq Size:	847 bp
RefSeq ORF:	795 bp
Locus ID:	219409
UniProt ID:	<u>Q9H4S2</u>
Cytogenetics:	13q12.2
Protein Families:	Transcription Factors
MW:	27.9 kDa
Gene Summary:	Probable transcription factor that binds to the DNA sequence 5'-GC[TA][AC]ATTA[GA]-3'. Activates the transcription of the GHRH gene. Plays an important role in pituitary development.[UniProtKB/Swiss-Prot Function]