

## Product datasheet for **SC305940**

### GSH2 (GSX2) (NM\_133267) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GSH2 (GSX2) (NM_133267) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSH2
Synonyms:	DMJDS2; GSH2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133267, the custom clone sequence may differ by one or more nucleotides

```
ATGTCGCGCTCCTTCTATGTCGACTCGCTCATCATCAAGGACACCTCACGGCCTGCGCCCTCGTGCCTG
AACCGCACCCCGGGCCGGATTTCTTCATCCCGCTTGGCATGCCGCCCCATTGGTGATGTCGGTGTCCGG
CCCCGGCTGCCCGTCCCACAAGAGCGGGCGGTTCTGCGTGTGCCCTCTCTGCGTCACTTCGCACCTGCAC
TCCTCTCGGGGTCTGTGGGCGCCGGCAGCGGGGCGCAGGGGCCGGGTTACCGGGCCGGAGGCAGTG
GGGTGGCAGGGGCCGAGGGGCACTGCCTCTGCTTAAGAGCCAGTTCTCTTCGGCTCTGGGACGCGCA
GTTTTGCCCGCGGTGAACCATGCGCATCATCACCACCACCCCGCGCAGCACCACCATCACCATCATCAG
CCCCAGCAGCCTGGCTCGGCCGGCGGGCAGCAGCAGCAGCGCGGGCGGGCGCGCGGGCCTTGG
GGCACCCGAGCACCACGCACCTGTCTGCACCGCCACCACCTACAACGTGGCGGACCCGCGGAGATTCCA
CTGCCTCACCATGGGAGGCTCTGACGCCAGCCAGGTACCCAATGGCAAGAGGATGAGGACGGCGTTCACT
AGCACGCAACTCCTGGAGCTGGAGAGAGAATTCTTTCCAACATGTACCTGTCTCGACTCCGGAGGATTG
AAATCGCCACTTACCTGAACCTGTCCGAGAAGCAGGTGAAAATCTGGTTTCAGAACCGCCGAGTGAAGCA
CAAGAAGGAGGGGAAGGGCAGCAGAGGAACAGTACGCGGGCTGCAAGTGCCTCGGGAGCCAGGTGCAC
TACGCGCCTCCGAGGATGAGGACTCCCTGTCCCGGCCCTCAGCCAACGATGACAAGGAGATTTCCCCT
TATGA
```

Restriction Sites:	Please inquire
ACCN:	NM_133267
Insert Size:	900 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_133267.1</a></u> , <u><a href="#">NP_573574.1</a></u>
<b>RefSeq Size:</b>	1262 bp
<b>RefSeq ORF:</b>	915 bp
<b>Locus ID:</b>	170825
<b>UniProt ID:</b>	<u><a href="#">Q9BZM3</a></u>
<b>Cytogenetics:</b>	4q12
<b>Gene Summary:</b>	During telencephalic development, causes ventralization of pallial progenitors and, depending on the developmental stage, specifies different neuronal fates. At early stages, necessary and sufficient to correctly specify the ventral lateral ganglionic eminence (LGE) and its major derivatives, the striatal projection neurons. At later stages, may specify LGE progenitors toward dorsal LGE fates, including olfactory bulb interneurons (By similarity). Transcription factor that binds 5'-CNAATTAG-3' DNA sequence.[UniProtKB/Swiss-Prot Function]