

## Product datasheet for **SC319067**

### HAGH (NM\_005326) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HAGH (NM_005326) Human Untagged Clone
Tag:	Tag Free
Symbol:	HAGH
Synonyms:	GLO2; GLX2; GLXII; HAGH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_005326.4  
 CGCAGCGACGGCCGTTCCACCTCGCGATCTGCCGGGTACCCGGGCGCGTGGCGCTCGG  
 CCTCCAGGGATCCACTGTGCGGTGCCAAAAAGAGGCGGAGGCTCGCGGCACAGCTCTCC  
 CGGCGCAGCTCTCGGGCCGCCGCGCCGCTCCCAGGCCGCTCTCCCGCCCGTGGCA  
 GTCGGGGCTCGCGGAGAAAAAAGTTGAGCGCGAGCGCTTGATTGGTTGGCGGACGGTG  
 CGAGGTGGACGCTGATTGGCTGAGGGCAGCGCAGGCGGGCGCTGATTGGCTGCGACGCG  
 CCGACGCCGTTGTTTGCAGTCTGGGCAGCTCGGCAGTCCAGCCCGCCCGGGTATGG  
 TGGTGGGCGGAGGGTCTCGGCCGCCGAGCCTCGCCGCGTGGGAGCCGCTGCGCCC  
 GCCGAGGCTCGGTCCAGCCCTGCTGGGAGTTTCTGCCACAGATTTGCGGAAGAACC  
 TGACCGTGGACGAGGGCACCATGAAGGTAGAGGTGCTGCCTGCCGACCACTACA  
 TGTACCTGGTCATTGATGATGAGACCAAGGAGGCTGCCATTGTGGATCCGGTGCAGCCCC  
 AGAAGGTCGTGGACGCGCGAGAAAAGCAGGGGTGAAACTGACCACAGTCTCACCACCC  
 ACCACCACTGGGACCATGCTGGCGGAATGAGAACTGGTCAAGCTGGAGTCGGGACTGA  
 AGGTGTACGGGGTGACGACCGTATCGGGGCCCTGACTCACAAGTCACTCACCTGTCCA  
 CACTGCAGGTGGGGTCTCTGAACGTCAAGTGCCTGGCGACCCCGTCCACACTTCAGGAC  
 ACATTTGTTACTTCGTGAGCAAGCCCGGAGGCTCGGAGCCCCCTGCCGTGTTACAGGTG  
 ACACCTTGTGTTGGCTGGCTGCGGGAAGTTCTATGAAGGACTGCGGATGAGATGTGTA  
 AAGCTCTGCTGGAGGTCTTGGCCGGCTCCCCCGGACACAAGAGTCTACTGTGGCCACG  
 AGTACACCATCAACAACCTCAAGTTTGCACGCCACGTGGAGCCCGCAATGCCGCCATCC  
 GGGAGAAGCTGGCCTGGGCCAAGGAGAAGTACAGCATCGGGGAGCCACAGTGCCATCCA  
 CCCTGGCAGAGGAGTTTACCTACAACCCCTTCATGAGAGTGAGGGAGAAGACGGTGCAGC  
 AGCACGCAGGTGAGACGGACCCGGTGACCACCATGCGGGCCGTGCGCAGGGAGAAGGACC  
 AGTTCAAGATGCCCGGGACTGAGGCCGCCCTGCACCTTCAGCGGATTTGGGGATTAGGC  
 TCTTTTAGGTAAGTGGCTTTCCTGCTGGTCCGTGCGGAAATTCAGTCTTGATTTAACCT  
 TAATTTTACAGCCCTTGGCTTGTGTTATCGGACATTCTAATGCATATTTATAAGAGAAGT  
 TTAACAAGTATTTATTCCATAA  
 A



[View online »](#)

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005326
<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_005326.4</a></u> , <u><a href="#">NP_005317.2</a></u>
<b>RefSeq Size:</b>	1552 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	3029
<b>UniProt ID:</b>	<u><a href="#">Q16775</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	lactamase_B
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Pyruvate metabolism
<b>Gene Summary:</b>	<p>The enzyme encoded by this gene is classified as a thiolesterase and is responsible for the hydrolysis of S-lactoyl-glutathione to reduced glutathione and D-lactate. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]</p> <p>Transcript Variant: This variant (1) encodes a mitochondrially localized isoform (1). Translation may also initiate at a downstream in-frame ATG to encode the cytosolic form.</p>