

Product datasheet for **SC334693**

HAGH (NM_001286249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAGH (NM_001286249) Human Untagged Clone
Tag:	Tag Free
Symbol:	HAGH
Synonyms:	GLO2; GLX2; GLXII; HAGH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286249, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGTGGGCCGAGGGCTGCTCGGCCCGCAGCCTCGCCGCGCTGGGAGCCGCTGCGCCCGCCGAG
GCCTCGGTCCAGCCCTGCTGGGAGTTTTCTGCCACACAGATTTGCGGAAGAACCTGACCGTGGACGAGGG
CACCATGAAGGTAGAGGTGCTGCCTGCCCTGACCGACAACATACATGTACCTGGTCATTGATGATGAGACC
AAGGAGGCTGCCATTGTGGATCCGGTGCAGCCCCAGAAGGTCGTGGACCGGCGAGAAAGCACGGGGTGA
AACTGACCACAGTGTCAACCACCACCACCCTGGGACCATGCTGGCGGGAATGAGAACTGGTCAAGCT
GGAGTCGGGACTGAAGGTGTACGGGGTGACGACCGTATCGGGGCCCTGACTCACAAGATCACTCACCTG
TCCACACTGCAGGTGACACCTTGTGGTGGCTGCGGGAAGTCTATGAAGGGACTGCGGATGAGAT
GTGTAAGCTCTGCTGGAGGTCTTGGGCCGGCTCCCCCGGACACAAGAGTCTACTGTGGCCACGAGTAC
ACCATCAACAACCTCAAGTTTGCACGCCAGTGGAGCCCGGAATGCCGCCATCCGGGAGAAGCTGGCCT
GGGCCAAGGAGAAGTACAGCATCGGGGAGCCACAGTGCCATCCACCCTGGCAGAGGAGTTTACCTACAA
CCCCTTCATGA
  
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286249
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).



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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:	<ol style="list-style-type: none">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_001286249.1, NP_001273178.1</u>
RefSeq Size:	1443 bp
RefSeq ORF:	711 bp
Locus ID:	3029
UniProt ID:	<u>Q16775</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Pyruvate metabolism
Gene Summary:	<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 (3) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.</p>