

Product datasheet for RC236799

HAGH (NM_001286249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAGH (NM_001286249) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAGH
Synonyms:	GLO2; GLX2; GLXII; HAGH1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236799 representing NM_001286249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGTGGGCCGAGGGCTGCTCGGCCCGCAGCCTCGCCGCGCTGGGAGCCGCCTGCGCCCGCCGAG
GCCTCGGTCCAGCCCTGCTGGGAGTTTTCTGCCACACAGATTTGCGGAAGAACCTGACCGTGACGAGGG
CACCATGAAGGTAGAGGTGCTGCCTGCCCTGACCGACAACACTACATGTACCTGGTCATTGATGATGAGACC
AAGGAGGCTGCCATTGTGGATCCGGTGCAGCCCCAGAAGGTCGTGGACGCGGCGAGAAAACGACGGGGTGA
AACTGACCACAGTGCTCACCACCACCACCCTGGGACCATGCTGGCGGGAATGAGAAAACGGTCAAGCT
GGAGTCGGGACTGAAGGTGTACGGGGGTGACGACCGTATCGGGGCCCTGACTCACAAGATCACTCACCTG
TCCACACTGCAGGTGACACCTTGTGGTGGCTGGCTGCGGGAAGTTCTATGAAGGACTGCGGATGAGAT
GTGTAAGCTCTGCTGGAGGTCTGGGCCGGCTCCCCCGGACACAAGAGTCTACTGTGGCCACGAGTAC
ACCATCAACAACCTCAAGTTTGCACGCCACGTGGAGCCCGCAATGCCGCCATCCGGGAGAAGCTGGCCT
GGCCAAGGAGAAGTACAGCATCGGGGAGCCCACAGTGCCATCCACCCTGGCAGAGGAGTTTACCTACAA
CCCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC236799 representing NM_001286249
 Red=Cloning site Green=Tags(s)

MVVG RLLGRRSLAALGAACARRGLGPALLGVFCHTDLRKNLTVDEGTMKVEVLPALTDNYMYLVIDDEF
 KEAAIVDPVQPKVVDAARKHGKLVLTTLTHHHWDHAGGNEKLVKLESGLKVYGGDDRIGALTHKITHL
 STLQVTPCLWLAAGSSMKGLRMRCVKLCWRWSWAGSPRTQESTVATSTPSTTSSLHATWSPAMPSPGRSWP
 GPRRSTASGSPQCHPPWQRSPLTPPS

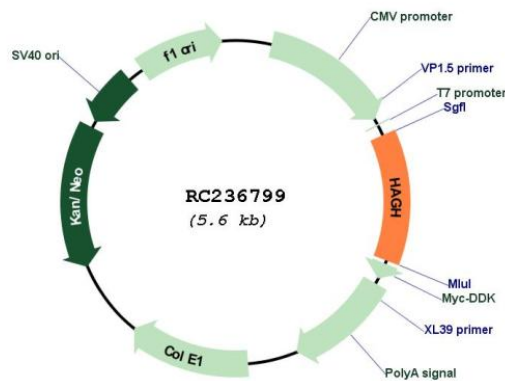
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286249
ORF Size: 708 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001286249.2
RefSeq Size:	1443 bp
RefSeq ORF:	711 bp
Locus ID:	3029
UniProt ID:	Q16775
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Pyruvate metabolism
MW:	25.9 kDa
Gene Summary:	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]