

Product datasheet for RC207447

HAGHL (NM_207112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAGHL (NM_207112) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAGHL
Synonyms:	GLO2-like/ RJD12; hydroxyacylglutathione hydrolase-like; MGC2605
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207447 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTCAAGGTCATCCCCGTGCTCGAGGACAACACTACATGTACCTGGTCATCGAGGAGCTCACGCGG
AGGCGGTGGCCGTGGACGTGGCTGTGCCAAGAGGCTGCTGGAGATCGTGGGCCGGGAGGGGTGTCTCT
GACCGCTGTGCTGACCACCCACCACACTGGGACCACGCGGGGAAACCCGGAGCTGGCGCGGCTTCGT
CCGGGGCTGGCGGTGCTGGGCGGGACGAGCGCATCTTCTCGCTGACGCGCAGGCTGGCGCACGGCGAGG
AGCTGCGGTTCCGGGCCATCCACGTGCGTTGCCCTCCTGACGCCCGCCACACCCGGCCACATGAGCTA
CTTCTGTGGGAGGACGATTGCCCGGACCACCCGCCCTGTTCTCGGGGACGCGCTGTCGGTGGCCGGC
TGGCGCTCGTGCCTGGAGGGCAGCGCCAGCAGATGTACCAGAGCCTGGCCGAGCTGGGTACCCTGCCCC
CCGAGACGAAGGTGTTCTGCGGCCACGAGCACACACTTAGCAACCTGGAGTTTGCCAGAAAGTGGAGCC
CTGCAACGACCACGTGAGAGCCAAGCTGTCTGGGCTAAGGCACGGCCCCTTCCCGCCGCGGAAGAGG
GTGGGGGGGAGGGAACAGGCTTCGGGTGGGGGGGCTCTCAGACAAGGCCTAATGGTGACCGGGGCT
GTGGTCACTCCAGAAGAGGGATGAGGATGACGTGCCACTGTGCCGTCGACTCTGGGCGAGGAGCGCCTC
TACAACCCCTTCTGCGGTGGCGTGAGTATGGCTGTTGTCCCGGGCCCTCACCGTTACGTGGACCCCT
AGGAAGGCATCTGGGGACTGCGTGTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC207447 protein sequence
Red=Cloning site Green=Tags(s)

MKVKVIPVLEDNYMYLVIEELTREAVAVDVAVPKRLEIVGREGVSLTAVLTTHHHWDHARGNPELARLR
 PGLAVLGADERIFSLTRRLAHGEELRFGAIHVRCLLTPGHTAGHMSYFLWEDDCPPALFSGDALSVAG
 CGSCLEGSAAQMYQSLAELGTLPPETKVF CGHEHTLSNLEFAQKVEPCNDHVRAKLSWAKARPLSRRGKR
 VGGEGTGFGVGGALRQGLMVTGACGHSRRGMRMTCPLCRRLWARSASTTPSCGWREYGCCPGASTVTWTL
 RKASGDVCLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6527_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207112

ORF Size: 870 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:

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_207112.1](#), [NP_996995.1](#)

RefSeq Size: 1728 bp

RefSeq ORF: 872 bp

Locus ID: 84264

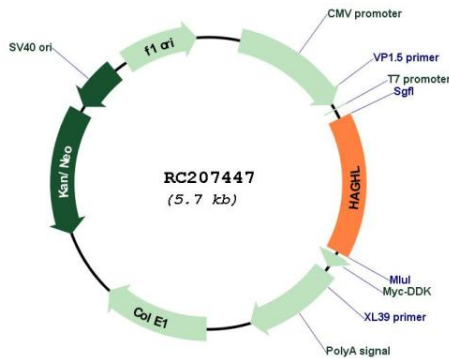
Cytogenetics: 16p13.3

Protein Pathways: Pyruvate metabolism

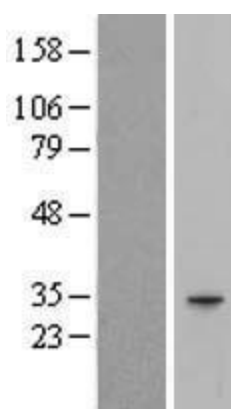
MW: 31.6 kDa

Gene Summary: Hydrolase acting on ester bonds.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207447



Western blot validation of overexpression lysate (Cat# [LY404116]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207447 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).