

Product datasheet for RC200832

HAGHL (NM_032304) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAGHL (NM_032304) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAGHL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200832 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTCAAGGTCATCCCCGTGCTCGAGGACAACTACATGTACCTGGTCATCGAGGAGCTCACGCGCG
AGGCGGTGGCCGTGGACGTGGCTGTGCCAAGAGGCTGCTGGAGATCGTGGGCCGGGAGGGGGTGTCTCT
GACCGCTGTGCTGACCACCCACCATCACTGGGACCACGCGCGGGAAACCCGGAGCTGGCGCGGCTTCGT
CCCGGGCTGGCGGTGCTGGGCGCGGACGAGCGCATCTTCTCGCTGACGCGCAGGCTGGCGCACGGCGAGG
AGCTGCGGTTTCGGGGCCATCCACGTGCGTTGCCCTCCTGACGCCGGCCACACCCCGGCCACATGAGCTA
CTTCTGTGGGAGGACGATTGCCCGGACCACCCGCCCTGTTCTCGGGCGACGCGCTGTCGGTGGCCGGC
TGCGGCTCGTGCCTGGAGGGCAGCGCCAGCAGATGTACCAGAGCCTGGCCGAGCTGGGTACCCTGCCCC
CCGAGACGAAGGTGTTCTGCGGCCACGAGCACAGCCTTAGCAACCTGGAGTTTGCCAGAAAGTGGAGCC
CTGCAACGACCACGTGAGAGCCAAGCTGTCTGGGCTAAGAAGAGGGATGAGGATGACGTGCCACTGTG
CCGTCGACTCTGGGCGAGGAGCGCCTCTACAACCCCTTCTGCGGGTGGCAGAGGAGCCGGTGGCAAGT
TCACGGGCAAGGCGGTCCCCGCCGACGTCTGGAGGCGCTATGCAAGGAGCGGGCGCGCTTCGAACAGGC
GGCGGAGCCGCGGACGCCACAGGCGGGCCCTCCTTGCCTGACGTGGGGCTCCTGAGTGCAGCCCCA
CACGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200832 protein sequence
Red=Cloning site Green=Tags(s)

MKVKVIPVLEDNYMYLVIEELTREAVAVDVAVPKRLEIVGREGVSLTAVLTTHHHWDHARGNPELARLR
 PGLAVLGADERIFSLTRRLAHGEELRFGAIHVRCLLTPGHTAGHMSYFLWEDDCPPALFSGDALSVAG
 CGSCLEGSAQQMYQSLAELGTLPPETKVF CGHEHTLSNLEFAQKVEPCNDHVRAKLSWAKKRDEDDVPTV
 PSTLGEERLYNPFLRVAEEPVRKFTGKAVPADVLEALCKERARFEQAGEPRQPQARALLALQWGLLSAAP
 HD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6388_b06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_032304

ORF Size: 846 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_032304.4](#)

RefSeq Size: 1386 bp

RefSeq ORF: 849 bp

Locus ID: 84264

UniProt ID: [Q6PII5](#)

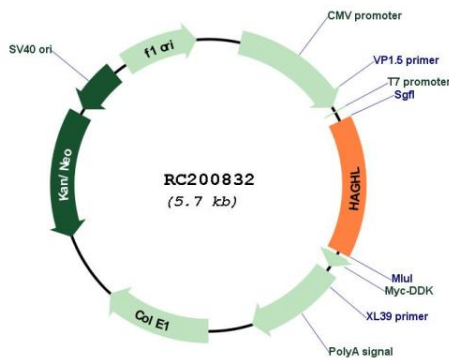
Cytogenetics: 16p13.3

Protein Pathways: Pyruvate metabolism

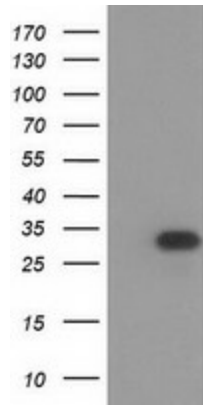
MW: 31.2 kDa

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

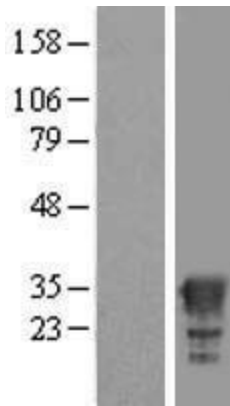
Product images:



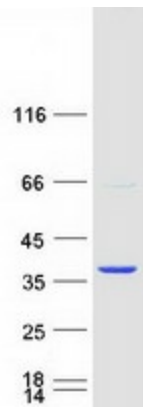
Circular map for RC200832



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HAGHL (Cat# RC200832, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAGHL (Cat# [TA502537]). Positive lysates [LY410246] (100ug) and [LC410246] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY410246]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200832 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HAGHL protein (Cat# [TP300832]). The protein was produced from HEK293T cells transfected with HAGHL cDNA clone (Cat# RC200832) using MegaTran 2.0 (Cat# [TT210002]).