

Product datasheet for RC210341

IAH1 (NM_001039613) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IAH1 (NM_001039613) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IAH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210341 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGTGCGAGGCCGCGGGCTGCGGGAGTGCCCTGCTCTGGCCTCGCTTGTGCTCTTCGGGGACT
CCATCACCCAGTTTTCTTCCAGCAGGGTGGATGGGGAGCATCGCTGGCTGACAGGCTGGTCAGAAAATG
TGATGTTCTGAATCGTGGATTTTCAGGTTACAATACCAGGTGGGCCAAAATTATCCTTCCAAGATTAATC
AGGAAAGGAAACAGTTTGGACATCCAGTAGCAGTTACAATTTCTTTGGGGCCAATGACAGTGCACTAA
AAGATGAGAATCCCAAGCAGCACATTTCCCTGGAGGAGTACGCTGCGAACCTAAAGAGCATGGTGCAGTA
CCTGAAGTCCGTGGACATCCCTGAGAATCGAGTATTCTCATCACGCCGACCCCACTTTGTGAAACAGCC
TGGGAAGAACAGTGATCATAACAAGTTGCAAATAAATCGCCTGAACTCTGTTGTTGGTGAATATGCCA
ATGCGTGTTTACAAGTGCCCAAGACTGTGGGACTGACGTAATTGACCTGTGGACCCTGATGCAGGACAG
CCAGGACTTCTCATCTTATTTATCAGATGGACTACATTTGTCTCAAAGGGGAATGAATTTTTGTTCTCG
CATCTCTGGCCTTTGATAGAGAAAAAGGTCTTCTCTACCTTTGCTGCTTCTTACTGGCGGGATGTAG
CAGAAGCAAACCTGAATTAAGTCTGCTGGGAGATGGAGACCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210341 protein sequence
 Red=Cloning site Green=Tags(s)

MALCEAAGCGSALLWPRLLLFGDSITQFSFQGGWGASLADRLVRKCDVLRGFSGYNTRWAKIILPRLI
 RKGNSLDIPVAVTIFFGANDSALKDENPKQHIPLEEYAANLKSVMQYLSVDIPENRVILITPTPLCETA
 WEEQCI IQGCKLNRLNSVVEYANAQLQAQDCGTDVLDLWLMQDSQDFSSYLSDGLHLSPKGNFLFS
 HLWPLIEKKVSSLPLLLPYWRDVAEAKPELSLLGDGDH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6377_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039613

ORF Size: 744 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_001039613.3](#)

RefSeq Size: 951 bp

RefSeq ORF: 747 bp

Locus ID: 285148

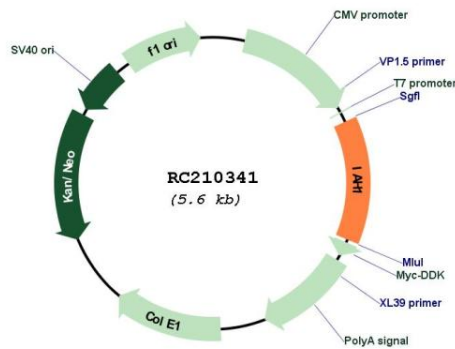
UniProt ID: [Q2TAA2](#)

Cytogenetics: 2p25.1

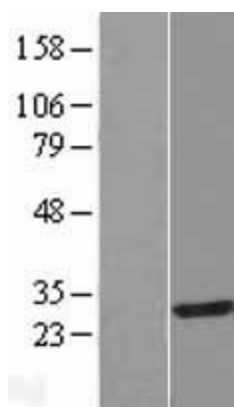
MW: 27.6 kDa

Gene Summary: Probable lipase.[UniProtKB/Swiss-Prot Function]

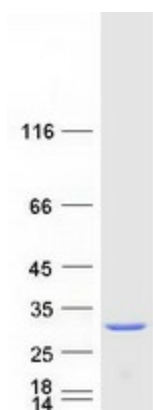
Product images:



Circular map for RC210341



Western blot validation of overexpression lysate (Cat# [LY422089]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210341 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IAH1 protein (Cat# [TP310341]). The protein was produced from HEK293T cells transfected with IAH1 cDNA clone (Cat# RC210341) using MegaTran 2.0 (Cat# [TT210002]).