

Product datasheet for MR216845

Hagh (NM_024284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hagh (NM_024284) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hagh
Synonyms:	BC019817; Glo-2; Glo2; Rsp29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR216845 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCTGGGTCGCGGGTCGCTGTGTCTCCGGAGCCTGTCAGCGCTGGGAGCCACCTGCGCGGCCGTG
GTCTGGGTGAGCCCTGCTGGGACTATCTGTGTCACTCAGACTTCAGGAAGAATCTGACTGTGCAGCA
AGACATAATGAAGTTGAACTACTGCCTGCCCTGACTGACAACATACATGTACCTGATCATTGATGAGGAC
ACCCAGGAGGCCGCCATCGTGGACCCAGTGCAACCACAGAAGTTATAGAAGCTGCGAAAAAGCACCGTG
TGAACCTGACCACAGTGCTACCACTCACCACCTGGGACCACGCTGGTGGGAACGAGAAGCTGGTGAA
GCTGGAGCCTGGGCTGAAGTTTATGGAGGTGATGACCGCATCGGAGCCTTGACTCACAAGGTCACACAC
CTCTCCACTGCAGGTGGGCTCTCAGTGTCAAATGCCTGTCAACACCCTGCCATACTTCGGGACACA
TCTGTTACTTTGTGAGCAAGCCTGGGAGCTCAGAGCCTTCTGCTGTGTTACAGGTGACACATTGTTTGT
TGCTGGCTGTGGGAAGTTCTATGAGGAACTGCAGATGAGATGTACAAGGCGCTGTTGAAGTCTTGGGC
CGGCTTCTCCAGACACAAAAGTCTACTGTGGTCATGAATACACCGTAAACAACCTTAAGTTTGCACGCC
ATGTGGAGCCCGCAATGCTGCCATTCAAGAGAACTAGCCTGGGCCAAGGAGAAGTATGCCATCGGGGA
GCCACCGTGCCATCCACCCTGGCAGAAGAGTTACCTACAACCCTTCATGAGAGTGAAGGAGAAGACT
GTGCAACAGCATGCTGGCAGACAGACCCTGTGACCACCATGAGGGCCATCCGCAGGGGAGAAGGACCAGT
TCAAGGTGCCCTCGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216845 protein sequence
Red=Cloning site Green=Tags(s)

MVLGRGSLCLRSLALGATCARRGLGQALLGLSLCHSDFRKNLTVQQDIMKVLLPALTDNYMYLIIDED
 TQEAIVDPVQPQKVI EAAK KHRV KLT T V L T T H H W D H A G G N E K L V K L E P G L K V Y G G D D R I G A L T H K V T H
 L S T L Q V G S L S V K C L S T P C H T S G H I C Y F V S K P G S S E P S A V F T G D T L F V A G C G K F Y E G T A D E M Y K A L L E V L G
 R L P P D T K V Y C G H E Y T V N N L K F A R H V E P G N A I Q E K L A W A K E K Y A I G E P T V P S T L A E E F T Y N P F M R V K E K T
 V Q Q H A G E T D P V T T M R A I R R E K D Q F K V P R D

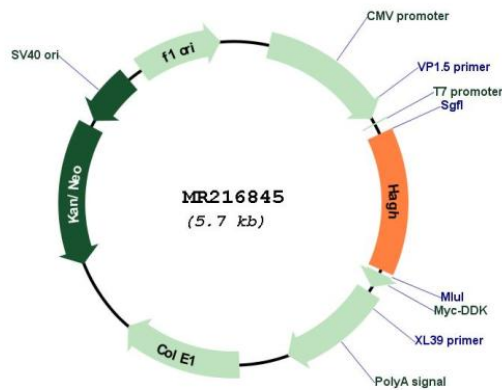
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024284

ORF Size: 927 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_024284.1
RefSeq Size:	1197 bp
RefSeq ORF:	930 bp
Locus ID:	14651
UniProt ID:	Q99KB8
Cytogenetics:	17 12.53 cM
MW:	34.1 kDa
Gene Summary:	Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid.[UniProtKB/Swiss-Prot Function]