

Product datasheet for **MG216845**

Hagh (NM_024284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hagh (NM_024284) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hagh
Synonyms:	BC019817; Glo-2; Glo2; Rsp29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216845 representing NM_024284 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTGAACTACTGCCTGCCCTGACTGACAACTACATGTACCTGATCATTGATGAGGACACCCAGG
AGGCCGCATTGTGGACCCAGTGAACACAGAAAGTTATAGAAGCTGCGAAAAAGCACCATGTGAAACT
GACCACAGTGCTCACCCTCACCACCCTGGGACCACGCTGGTGGGAACGAGAAGCTGGTGAAGCTGGAG
CCTGGGCTGAAGTTTATGGAGGTGATGACCGCATCGGAGCCTTGACTCACAAGGTACACACCTCTCCA
CACTGCAGGTGGGTCTCTCAGTGTCAAATGCCTGTCAACACCCTGCCATACTTCGGGACACATCTGTTA
CTTTGTGAGCAAGCCTGGGAGCTCAGAGCCTTCTGCTGTGTTACAGGTGACACATTGTTTGTGCTGGC
TGTGGGAAGTTCTATGAGGAACTGCAGATGAGATGTACAAGGCCTGCTTGAAGCTTGGGCCGGCTTC
CTCCAGACACAAAAGTCTACTGTGGTCATGAATACACCGTAAACAACCTTAAGTTTGACGCCACGTGGA
GCCCCGCAATGCTGCCATTCAAGAGAACTAGCCTGGGCCAAGGAGAAGTATGCCATCGGGGAGCCACG
GTGCCATCCACCCTGGCAGAAGATTACCTACAACCCCTTCATGAGAGTGAAGGAGAAGACTGTGCAAC
AGCATGCTGGCGAGACAGACCCTGTGACCACCATGAGGGCCATCCGACGGGAGAAGGACCAAGTCAAGGT
GCCTCGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216845 representing NM_024284
 Red=Cloning site Green=Tags(s)

MKVPELLALTDNYMYLIIDEDTQEAAIVDPVQPQKIVIEAAKHHVKLTTVLTTHHHWDHAGGNEKLVKLE
 PGLKVIYGGDDRIGALTHKVTHLSTLQVGSLSVKCLSTPCHTSGHICYFVSKPGSSSEPSAVFTGDTLFFVAG
 CGKFYEGTADEMYKALLEVLGRLPPDTKVYCGHEYTVNNLK FARHVEPGNAAIQEKLAWAKEKYAIGEPT
 VPSTLAEFETYNPFMRVKEKTVQQHAGETDPVTTMRAIRREKQDFKVPDR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

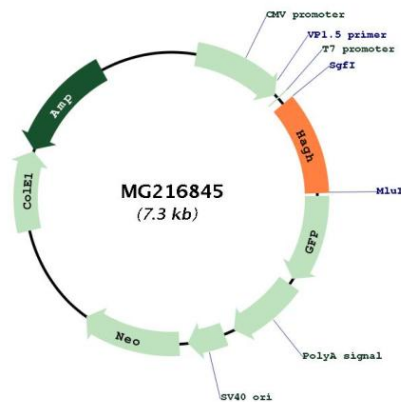
Locus ID: 14651

UniProt ID: [Q99KB8](#)

Cytogenetics: 17 12.53 cM

Gene Summary: Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216845