

## Product datasheet for **RG208344**

### Fetuin A (AHS) (NM\_001622) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fetuin A (AHS) (NM_001622) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fetuin A
Synonyms:	A2HS; AHS; APMR1; FETUA; HSGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208344 representing NM_001622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTCCCTCGTCCTGCTCCTTTGTCTTGCTCAGCTGTGGGGCTGCCACTCAGCCCCACATGGCCCAG  
GGCTGATTTATAGACAACCGAAGTGCATGATCCAGAACTGAGGAAGCAGCTCTGGTGGCTATAGACTA  
CATCAATCAAACCTTCTTGGGATACAACACACCTTGAACCAGATTGATGAAGTAAAGGTGTGGCCT  
CAGCAGCCCTCCGAGAGCTGTTTGAATTGAAATAGACACCCTGAAACCACCTGCCATGTGCTGGACC  
CCACCCCTGTGGCAAGATGCAGCGTGAGGCAGCTGAAGGAGCATGCTGTGCAAGGAGACTGTGATTTCCA  
GCTGTTGAAACTAGATGGCAAGTTTTCCGTGGTATACGCAAAATGTGATTCAGTCCAGACTCAGCCGAG  
GACGTGCGCAAGGTGTGCAAGACTGCCCCCTGCTGGCCCGCTGAACGACACCAGGGTGGTGCACGCCG  
CGAAAGCTGCCCTGGCCGCTTCAACGCTCAGAACAACGGCTCCAATTTTCAGCTGGAGGAAATTTCCCG  
GGCTCAGCTTGTGCCCTCCACCTTCTACCTATGTGGAGTTTACAGTGTCTGGCACTGACTGTGTTGCT  
AAAGAGGCCACAGAGGCAGCCAAGTGTAACTGCTGGCAGAAAAGCAATATGGCTTTTGAAGGCAACAC  
TCAGTGAGAAGCTTGGTGGGCAGAGGTTGCAGTGACCTGCACGGTGTCCAAACACAGCCCGTGACCTC  
ACAGCCCCAACCAAGAAGTGGCAATGAAGCAGTCCCCACCCCGTGGTGGACCCAGATGCACCTCCGTCC  
CCTCCACTTGGCGCACCTGGACTCCCTCCAGCTGGCTCACCCACAGCTCCCATGTTACTGGCAGCTC  
CTCCAGGACACCAGTTGCACCGGGCGCACTACGACCTGCGCCACACCTTCATGGGTGTGGTCTCATTGGG  
GTCACCCCTCAGGAGAAGTGTGACCCCGGAAAAACGACAGTGGTGCAGCCTAGTGTGGTGTGCTGCT  
GCTGGCCAGTGGTTCCTCCATGTCCGGGGAGGATCAGACACTTCAAGGTC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208344 representing NM\_001622  
 Red=Cloning site Green=Tags(s)

MKSLVLLLCLAQLWGCHSAPHGPGLIYRQPNCDDEPETEEAALVAIDYINQNLPWGKHTLNQIDEVKVWP  
 QQPSEGELFEIEIDTLETTCHVLDPTPVARCSVRQLKEHAVEGDCDFQLLKLDGKFSVYAKCDSSPDSAE  
 DVRKVCQDCPLLAPLNDTRVVHAAKAALAAFNAQNNGSNFQLEEISRAQLVPLPPSTYVEFTVSGTDCVA  
 KEATEAAKCNLLAEKQYGFCKATLSEKLGAEVAVTCTVFQTPVTSQPQPEGANEAVPTPVVDPDAPPS  
 PPLGAPGLPPAGSPPDSHVLLAAPPQHQLHRAHYDLRHTFMGVVSLGSPSGEVSHPRKTRTVVQPSVGAA  
 AGPVVPPCPGRIRHFKV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001622

**ORF Size:** 1101 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\\_001622.1](#), [NP\\_001613.1](#)

**RefSeq Size:** 1538 bp

**RefSeq ORF:** 1104 bp

**Locus ID:** 197

**UniProt ID:** [P02765](#)

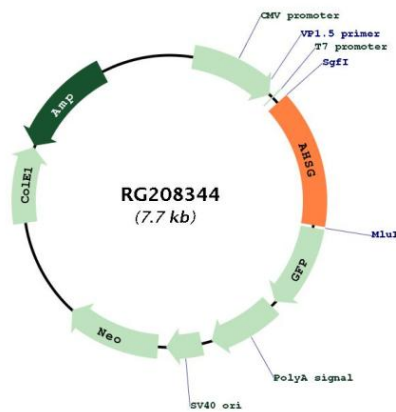
**Cytogenetics:** 3q27.3

**Domains:** CY

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** The protein encoded by this gene is a negatively-charged serum glycoprotein that is synthesized by hepatocytes. The encoded protein consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several processes, including endocytosis, brain development, and the formation of bone tissue. Defects in this gene are a cause of susceptibility to leanness. [provided by RefSeq, Aug 2017]

### Product images:



Circular map for RG208344