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Product datasheet for SC319889

Fetuin A (AHSG) (NM_001622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fetuin A (AHSG) (NM_001622) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fetuin A
Synonyms:	A2HS; AHS; APMR1; FETUA; HSGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_001622.1
CCTGGGTTGGTCCCGAAGCCTCCAACCACCTGCACGCCTGCCAGGGCCTCTCTGGGGCAG
CCATGAAGTCCCTCGTCCTGCTCCTTTGTCTTGCTCAGCTGTGGGGCTGCCACTCAGCCC
CACATGGCCCAGGGCTGATTTATAGACAACCGAACTGCGATGATCCAGAAACTGAGGAAG
CAGCTCTGGTGGCTATAGACTACATCAATCAAAACCTTCCTTGGGGATACAAACACACCT
TGAACCAGATTGATGAAGTAAAGGTGTGGCCTCAGCAGCCCTCCGGAGAGCTGTTTGAGA
TTGAAATAGACACCCTGGAAACCACCTGCCATGTGCTGGACCCCACCCCTGTGGCAAGAT
GCAGCGTGAGGCAGCTGAAGGAGCATGCTGTCGAAGGAGACTGTGATTTCCAGCTGTTGA
AACTAGATGGCAAGTTTTCCGTGGTATACGCAAAATGTGATTCCAGTCCAGACTCAGCCG
AGGACGTGCGCAAGGTGTGCCAAGACTGCCCCCTGCTGGCCCCGCTGAACGACACCAGGG
TGGTGCACGCCGCGAAAGCTGCCCTGGCCGCCTTCAACGCTCAGAACAACGGCTCCAATT
TTCAGCTGGAGGAAATTTCCCGGGCTCAGCTTGTGCCCCTCCCACCTTCTACCTATGTGG
AGTTTACAGTGTCTGGCACTGACTGTGTTGCTAAAGAGGCCACAGAGGCAGCCAAGTGTA
ACCTGCTGGCAGAAAAGCAATATGGCTTTTGTAAGGCAACACTCAGTGAGAAGCTTGGTG
GGGCAGAGGTTGCAGTGACCTGCACGGTGTTCCAAACACAGCCCGTGACCTCACAGCCCC
AACCAGAAGGTGCCAATGAAGCAGTCCCCACCCCCGTGGTGGACCCAGATGCACCTCCGT
CCCCTCCACTTGGCGCACCTGGACTCCCTCCAGCTGGCTCACCCCCAGACTCCCATGTGT
TACTGGCAGCTCCTCCAGGACACCAGTTGCACCGGGCGCACTACGACCTGCGCCACACCT
TCATGGGTGTGGTCTCATTGGGGTCACCCTCAGGAGAAGTGTCGCACCCCCGGAAAACAC
GCACAGTGGTGCAGCCTAGTGTTGGTGCTGCTGCTGGGCCAGTGGTTCCTCCATGTCCGG
GGAGGATCAGACACTTCAAGGTCTAGGCTAGACATGGCAGAGATGAGGAGGTTTGGCACA
GAAAACATAGCCACCATTTTGTCCAAGCCTGGGCATGGGTGGGGGGCCTTGTCTGCTGGC
CACGCAAGTGTCACATGCGATCTACATTAATATCAAGTCTTGACTCCCTACTTCCTGTCA
TTCCTCACAGGACAGAAGCAGAGTGGGTGGTGGTTATGTTTGACAGAAGGCATTAGGTTG
ACAACTTGTCATGATTTTGACGGTAAGCCACCATGATTGTGTTCTCTGCCTCTGGTTGAC
CTTACAAAAACCATTGGAACTGTGACTTTGAAAGGTGCTCTTGCTAAGCTTATATGTGCC
TGTTAATGAAAGTGCCTGAAAGACCTTCCTTAATAAAGAAGGTTCTAAGCTGAAAAAAAA
AAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001622

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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] Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.