

Product datasheet for **SC114173**

AHSP (NM_016633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHSP (NM_016633) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHSP
Synonyms:	EDRF; ERAF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114173 sequence for NM_016633 edited (data generated by NextGen Sequencing) ATGGCTTCTTAAGCCAATAAGGATCTCATTTCCGCAGGATTGAAGGAGTTCAGCGTT CTGCTGAATCAGCAGGTCTCAATGATCCTCTCGTCTCTGAAGAAGACATGGTGACTGTG GTGGAGGACTGGATGAACTTCTACATCAACTATTACAGGCAGCAGGTGACAGGGAGCCC CAAGAGCGAGACAAGGCTCTGCAGGAGCTTCGGCAAGAGCTGAACACTCTGGCCAACCCT TTCCTGGCCAAGTACAGGGACTTCTGAAGTCTCATGAGTCCCGAGTACCCACCGCCC TCCTCCTAG Clone variation with respect to NM_016633.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016633 unedited TTGTATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGAGACATATACAGCCTG TTAGACCTGAAGAGGCTCTTCTTAAGGCCAATAAGGATCTCATTTCGCAGGATTGAAGG AGTTCAGCGTTCTGCTGAATCAGCAGGTCTTCAATGATCCTCTCGTCTCTGAAGAAGACA TGGTGACTGTGGTGGAGGACTGGATGAACCTTCTACATCAACTATTACAGGCAGCAGGTGA CAGGGGAGCCCCAAGAGCGAGACAAGGCTCTGCAGGAGCTTCGGCAAGAGCTGAACACTC TGGCCAACCCCTTCTCTGGCCAAGTACAGGACTTCTGAAGTCTCATGAGCTCCCGAGTC ACCCACCGCCCTCCTCTAGCTCAGGGACCCAGCCCTCCTCTCTGAGAACTCTGACCT TCATGTCCTTAGGCTGTGCTCCTGCCACTCTACCCTGACACCTCAATAAAGACCAGTGCT GGTTNTGTTGGANAAAAAAAAANAAAAAAAAANANANANAAAAAAAAAAAAAAAAAAAA AAAAACCCTCTCGACTTAGATTGCGGCCGCGGTATAGTTGTTTCTGAACAGATCCC CGGTGGGATCCCTGTGACCCCTCCCAAGTGCCTTCTGGCCCTGNAAGTGCCACTTCAG TGCCACCAGCCTTGCCCTATAAAAATAGTTGCATCATTTGGCCGACTAGGCGCCCTTCTT TATTATATGGGGTGGAGCGGGTGGTATGGACCAAGGCCANGTTGGGAAAACACCTGTAG GGCTGCCGGGTCTTTTGAACCCAGCTGGGTGGCGGGGCAATTTTGTCCACTGCAATC TCGCCTCTGGGGTAAAGCGATATTCTGCTTACCTCCCGAGTTGTTGGATTCCGCCTGCTG ACCCGCTAATAATTTTGTTTTTTGGAAAAAGGGTAACCATATGGCAGGTGGTCCACTCT AATCAGGGATCACCCCTTGCCCCATTGTGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_016633
Insert Size:	540 bp
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).
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_016633.2 , NP_057717.1
RefSeq Size:	518 bp
RefSeq ORF:	309 bp
Locus ID:	51327
UniProt ID:	Q9NZD4
Cytogenetics:	16p11.2

Gene Summary:

This gene encodes a molecular chaperone which binds specifically to free alpha-globin and is involved in hemoglobin assembly. The encoded protein binds to monomeric alpha-globin until it has been transferred to beta-globin to form a heterodimer, which in turn binds to another heterodimer to form the stable tetrameric hemoglobin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.