

Product datasheet for **RG207743**

AHSP (NM_016633) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AHSP (NM_016633) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: AHSP

Synonyms: EDRF; ERAF

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207743 representing NM_016633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTCTTCTTAAGCCAATAAGGATCTCATTTCCGCAGGATTGAAGGAGTTCAGCGTTCTGCTGAATC
AGCAGGTCTTCAATGATCCTCTCGTCTCTGAAGAAGACATGGTGACTGTGGTGGAGGACTGGATGAACCT
CTACATCAACTATTACAGGCAGCAGGTGACAGGGGAGCCCCAAGAGCGAGACAAGGCTCTGCAGGAGCTT
CGGCAAGAGCTGAACACTCTGGCCAACCCTTCTTGCCAAGTACAGGGACTTCTGAAGTCTCATGAGC
TCCCGAGTCACCCACCGCCTCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207743 representing NM_016633
Red=Cloning site Green=Tags(s)

MALLKANKDLISAGLKEFSVLLNQVFNDPLVSEEDMVTVVEDWMNFYINYYRQVQTGEPQERDKALQEL
RQELNLANPFLAKYRDFLKSHELPSHPPPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_016633

ORF Size: 306 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_016633.4](#)

RefSeq Size: 518 bp

RefSeq ORF: 309 bp

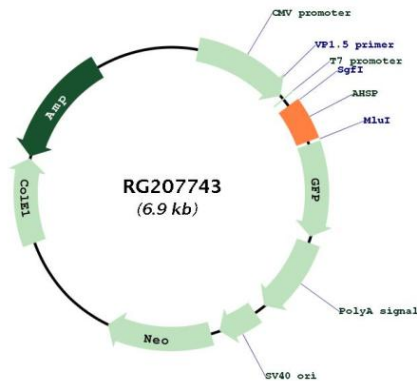
Locus ID: 51327

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]

Product images:



Circular map for RG207743