

## Product datasheet for **SC312374**

### HGS (AK097197) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HGS (AK097197) Human Untagged Clone
Tag:	Tag Free
Symbol:	HGS
Synonyms:	HRS
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK097197, the custom clone sequence may differ by one or more nucleotides ATGCGGCAGAAGAAGCAGGTGCAGTGGCTGCCAGCCACAGGCCGGGCGGCTGGGGGA CCTCGCAGCATAACCAGCATGTTTTTGCCGCACAGGAGTACCTGGAGGTGCAGAGGCAGC TGGCCATCCAGCGCTGCAGGAGCAGGAGAAGGAGCGGCAGATGCGGCTGGAGCAGCAGA AGCAGACGGTCCAGATGCGCGCGCAGATGCCCGCCTTCCCCTGCCCTACGCCAGGCAT GTGCCATCCTCCCGCCACCCAGAGGCTTGTGGGCTGAGGACCAACTCTCACCGCTGTCTC TTTTGTCCCAGCTCCAGGCCATGCCCGCAGCCGGAGGCGTGCTCTACCAGCCCTCGGGA CCAGCCAGCTTCCCAGCACCTTCAGCCCCGCGGCTCGGTGGAGGGCTCCCAATGCAC GGCGTGTACATGAGCCAGCCGGCCCTGCCGCTGGCCCTACCCAGCATGCCAGCACT GCGGCTGGTAAGGACGGGTGCGGGCAGAGACCATGCCTTTTATCCCTCGTCTTTATTTTA GCCGAATTTACAGAAAAGCAG
Restriction Sites:	Please inquire
ACCN:	AK097197
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).



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**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:** [AK097197.1](#)

**RefSeq Size:** 3103 bp

**RefSeq ORF:** 3103 bp

**Locus ID:** 9146

**Cytogenetics:** 17q25.3

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

**Gene Summary:** The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010]