

## Product datasheet for **SC313089**

### OPLAH (AF217994) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OPLAH (AF217994) Human Untagged Clone
Tag:	Tag Free
Symbol:	OPLAH
Synonyms:	5-Opase; OPLA; OPLAHD
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF217994, the custom clone sequence may differ by one or more nucleotides ATGCATAATGTCTTTAAAAAGCATGTTGTGATGTACACATTTTGAATTACCTTTTTTGT TGTTTTGTAGCAACCATTTGTAACATTCCAAATGGTTGCTCCAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAGGGGGGGCCCGTACCAGGTAAT CTACTGCCTGCGCTGTCTGGTGGCCGCGACATCCCACTCAACCAGGGCTGCCTGGCGCC AGTGCGCGTGGTCATTCCCCGAGGCTCCATCCTGGACCCGTCGCCGAGGCGGCGGTGGT GGGCGGCAACGTGCTCACGTGCGAGCGCGTGGTGGATGCATCCTGGGGGCTTTGGGGC CTGCGCCGCTCCAGGTGCGGGGGCGGGTGGGCGCAGCTCGGGGGCGGACTGGGTGGG CAGGCTGGAGTAGGAGCGGGAGGCGAGGTGGGGACGCCCTGCCCCAGCCAGCGCAGCG ACCAGGTGCCCTCACCAGGGCTGCATGAACAACGTGACCCTGGGCAACGCCACATGGGC TACTACGAGACGGTGGCGGGCGGCGCGGGTCCCAGCTGGCACGGGCGCAGCGGT GTGCACAGCCACATGACCAACACACGCATCACCAGCCCTGAGATCCTGGAGAGCCGGTAC CCGGTCATCCTGCGCCGCTTCGAGCTGCGGGCGGGCTCGGGGGGAGAGGCCGCTCCGA GGCGGCGACGGGTCACCCGCGAGCTGCTTTTCGTGAGGAGGCGCTGCTGTCAGTGCTG ACCGAGCGCCGCGCTTCGGCCATACGGGCTCCACGGGGCGAGCCTGGCGCCCGCGGC CTAAACCTGCTGATCCGCAAAAACGGCCGAGCGTGAATCTGGGCGCAAGACGTCGGTG ACCGTGTACCCCGGGATGTGTTCTGTCTCCACACGCCCGCGCGGTGGCTATGGGGAC CCGGAGGACCCCGCCACCGCCGGGTCGCCCCGCAAGCACTGGCCTTTCCCGAGCAC GGCAGCGTCTATGAGTATCGCCGGGCCAGAAGGCCGTG
Restriction Sites:	Please inquire
ACCN:	AF217994
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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">AF217994.1</a> , <a href="#">AAG17236.1</a>
<b>RefSeq Size:</b>	1977 bp
<b>RefSeq ORF:</b>	1977 bp
<b>Locus ID:</b>	26873
<b>Cytogenetics:</b>	8q24.3
<b>Domains:</b>	Hydantoinase_B
<b>Protein Pathways:</b>	Glutathione metabolism
<b>Gene Summary:</b>	The protein encoded by this gene acts as a homodimer, using ATP hydrolysis to catalyze the conversion of 5-oxo-L-proline to L-glutamate. Defects in this gene are a cause of 5-oxoprolinase deficiency (OPLAHD). [provided by RefSeq, Jun 2012]