

## Product datasheet for **SC326298**

### OGDHL (NM\_001143996) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OGDHL (NM_001143996) Human Untagged Clone
Tag:	Tag Free
Symbol:	OGDHL
Vector:	<u><a href="#">pCMV6 series</a></u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001143996, the custom clone sequence may differ by one or more nucleotides

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ATGAGTCAGCTGAGGCTGCTGCCGTCCCGTCTTGGGGTACAGGCTGCGAGGCTCCTGGCT
GCACATGACGTCCCGGTGTTTGGCTGGCGCAGCAGGTCTCCGGGCCACCGGCCACCTTC
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ACCACCTTCATTGGGGGCTCTGAAAACACCCTCTCTCTGCGGGAGATCATTGGCGCCTG
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GCTGCACAGCCACAGGAAACAGGAACACTCACCTGGTGTCACTGAAGAAGTTTCTGGAT
ACTGCCTCAATCTCCAGGCCTTTGAGGGCAAGACATTT

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**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_001143996
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001143996.1</a></u> , <u><a href="#">NP_001137468.1</a></u>
<b>RefSeq Size:</b>	3603 bp
<b>RefSeq ORF:</b>	2862 bp
<b>Locus ID:</b>	55753
<b>UniProt ID:</b>	<u><a href="#">Q9ULD0</a></u>
<b>Cytogenetics:</b>	10q11.23
<b>Protein Pathways:</b>	Citrate cycle (TCA cycle), Lysine degradation, Metabolic pathways, Tryptophan metabolism
<b>Gene Summary:</b>	<p>The protein encoded by this gene is similar to oxoglutarate dehydrogenase (OGDH) of the OGDH complex, which degrades glucose and glutamate. This gene encodes several isoforms, including some that appear to localize to mitochondria. The encoded protein down-regulates the AKT signaling cascade and can suppress the growth of cervical cancer cells. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame internal exon, compared to variant 1, resulting in a shorter isoform (b), compared to isoform a. Variants 2 and 5 both encode the same isoform (b).</p>