

Product datasheet for SC317727

OVCA1 (DPH1) (NM_001383) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OVCA1 (DPH1) (NM_001383) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPH1
Synonyms:	DEDSSH; DPH2L; DPH2L1; OVCA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317727 representing NM_001383. Blue=Insert sequence Red=Cloning site Green=Tag(s)

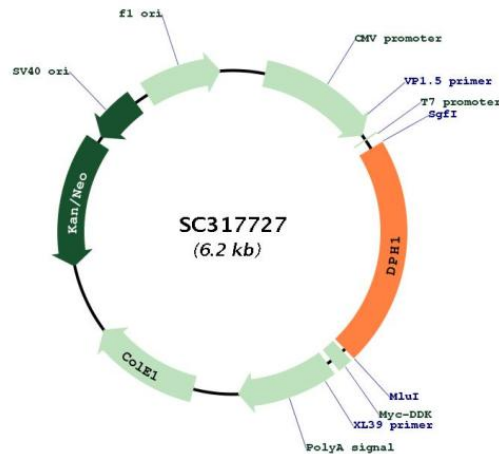
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TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_001383

Insert Size: 1332 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).

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).

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_001383.3](#)

RefSeq Size: 2200 bp

RefSeq ORF: 1332 bp

Locus ID: 1801

UniProt ID: [Q9BZG8](#)

Cytogenetics: 17p13.3

Domains: Diphthamide_syn

MW: 48.8 kDa

Gene Summary: The protein encoded by this gene is an enzyme involved in the biosynthesis of diphthamide, a modified histidine found only in elongation factor-2 (EEF2). Diphthamide residues in EEF2 are targeted for ADP-ribosylation by diphtheria toxin and Pseudomonas exotoxin A. Defects in this gene have been associated with both ovarian cancer and autosomal recessive intellectual disability with short stature, craniofacial, and ectodermal anomalies. [provided by RefSeq, Oct 2016]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.