

Product datasheet for **RG223888**

DPH3 (NM_001047434) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DPH3 (NM_001047434) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DPH3
Synonyms: DELGIP; DELGIP1; DESR1; DPH3A; KTI11; ZCSL2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223888 representing NM_001047434
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTGTTCATGACGAGGTGAAATCGAGGACTTCCAATATGACGAGGACTCGGAGACGTATTTCT
ATCCCTGCCCATGTGGAGATAACTTCTCCATACCAAGGATCAGTTTGTGTGGAGAAACAGTCCCAGC
CCCTTCAGCCAACAAGAATTAGTAAATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223888 representing NM_001047434
Red=Cloning site Green=Tags(s)
MAVFHDEVEIEDFYDEDESETYFYPCPGDNFSITKDQFVCGETVPAPSANKELVKC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



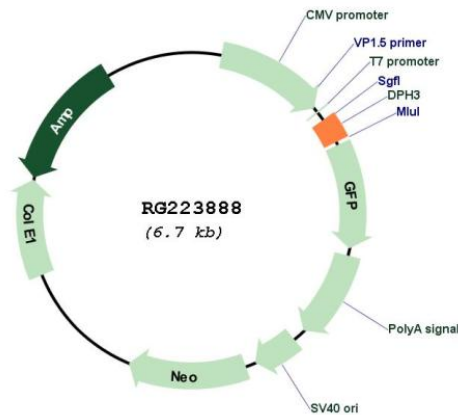
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001047434
 ORF Size: 171 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:	<ol style="list-style-type: none">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_001047434.3
RefSeq Size:	3990 bp
RefSeq ORF:	174 bp
Locus ID:	285381
UniProt ID:	Q96FX2
Cytogenetics:	3p25.1
Gene Summary:	This gene encodes a CSL zinc finger-containing protein that is required for diphthamide biosynthesis. The encoded protein is necessary for the initial step in the modification of a histidine residue in elongation factor-2 to diphthamide. This modified residue is a target for ADP ribosylation by the bacterial toxins diphtheria toxin and Pseudomonas exotoxin A. Alternative splicing results in multiple transcript variants that encode the same isoform. [provided by RefSeq, Feb 2009]