

Product datasheet for **SC338144**

DOP1A (NM_001199942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOP1A (NM_001199942) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOP1A
Synonyms:	dj202D23.2; DOP1; DOPEY1; KIAA1117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001199942, the custom clone sequence may differ by one or more nucleotides

ATGAACACAGAAGAGCTGGAGTTATTGAGTGACTCCAAATACAGAACTATGTAGCAGCAATTGACAAAG
 CACTAAAGAAATTTGAATACTCCAGTGAATGGGCAGATTTGATATCAGCACTTGGAAAACCTTAATAAGGT
 TTTACAAAATAATGCAAAGTACCAAGTAGTACCCAAAAAGCTGACCATAGGCAAACGCCTAGCTCAATGT
 CTACATCCAGCATTACCAGGTGGAGTTCATCGGAAGGCGCTTGAAACATATGAAATTATCTTCAAAATAA
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ACTGTTATCTGCTAGCACTGGAGGTGTTTTGCAGTTTCCAAGTGGGCAGAACAAATTCAGTCAAAGAGTGG
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 AAACCATGTTCCAGCAAAGCCAGGCAAAAAATAGAAGAGATGGTAGAAAAAGATTTTCTGGAAGGGATGA
 TAAAAACTGA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001199942
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).
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:	<u>NM_001199942.1, NP_001186871.1</u>
RefSeq Size:	7995 bp
RefSeq ORF:	7431 bp
Locus ID:	23033
Cytogenetics:	6q14.1
Protein Families:	Druggable Genome
Gene Summary:	May be involved in protein traffic between late Golgi and early endosomes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region and has an alternate in-frame exon in the 3' coding region compared to variant 1. The resulting protein (isoform b) is longer compared to isoform a. 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.