

Product datasheet for **RG214676**

Stella (DPPA3) (NM_199286) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Stella (DPPA3) (NM_199286) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Stella

Synonyms: Pgc7; STELLA

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214676 representing NM_199286
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCATCACAGTTTAATCCAACCTACATCCAGGGTCTCCACAAATGCTCACCGAAGAAAATTCCC
GGGACGATTAGGGGCCTCTCAATCTCCTCCGAGACGTTGATAAAGAACCTTAGTAACCTGACTATCAA
CGCTAGTAGCGAATCTGTTCCCTCTATTGGAAGCTTTACTCCGTCGAGAGTCTGTGGGGCAGCAGTC
CTCAGGGAATCGAAGATGAGTGGCTTTACAGCAGGAGAGGAGTAAGAACAACCTGCTGTCTGTGCAGAGAG
AAAAGATGGCAAGATTGAGATACATGTTACTGGCGGAGTTCGTACGCATGAAAGAAGACCAACAAACAA
GGAGCCTAAGGGAGTTAAGAAGGAATCAAGACCATTCAAATGTCCCTGCAGTTTCTGCGTGTCTAATGGA
TGGGATCCTTCTGAGAATGCTAGAATAGAGAATCAAGACACCAAGCCACTTCAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214676 representing NM_199286
Red=Cloning site Green=Tags(s)

MDPSQFNPTYIPGSPQMLTEENSRDDSGASQISSETLIKNSLNTINASSESVSPLLEALLRRESVGAAY
LREIEDEWLVSRRGVRTLLSVQREKMARLRYMLGGVTRHERRPTNKEPKGVKKESRPFKPCSFVCSNG
WDPSENARIENQDTKPLQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_199286

ORF Size: 477 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_199286.2](#), [NP_954980.1](#)

RefSeq Size: 1040 bp

RefSeq ORF: 480 bp

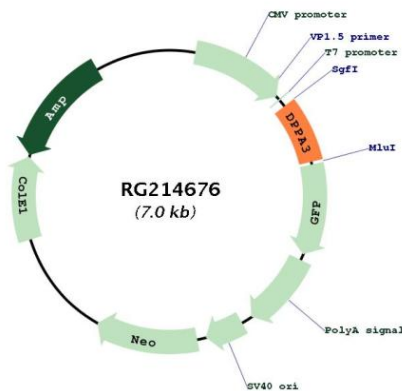
Locus ID: 359787

UniProt ID: [Q6W0C5](#)

Cytogenetics: 12p13.31

Gene Summary: This gene encodes a protein that in mice may function as a maternal factor during the preimplantation stage of development. In mice, this gene may play a role in transcriptional repression, cell division, and maintenance of cell pluripotentiality. In humans, related intronless loci are located on chromosomes 14 and X. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214676