

Product datasheet for **RG213941**

ARL6IP4 (NM_001002252) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6IP4 (NM_001002252) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARL6IP4
Synonyms:	SFRS20; SR-25; SRp25; SRp37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213941 representing NM_001002252 Red =Cloning site Blue =ORF Green =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGC**

ATGGAGAGGGCAGGACCAGCCGGGGAGGAGGGCGCGCGGAGGGTCGCCTTCTCCAGGGCACCGG
GGGCGTGGGTGCTGCGGGCGTGCGCCGAGAGGGCAGCCTTGAAGTGGGCGCAGCTTCGGCAGACACAGG
CGTGAGGGGCTGCGGAGCTCGAGGGCCGGCGCCCTGCTTGCTCTGCGGAGGTGGGCGCCCCGGGAC
GGAACCTGGGGCGTCAGAACGAAAGGCAGCGCCCGCGCTTCCAGCCGGCCAGCTCCCAGCGCAGCGC
CCCGCCGGAAGCTCCTCGCCCGCTTCTCTCGAGAAGGCGGGGGGGTGTCCGGCCCGCAGGG
CGGTGAGCCCGCGGCGCATGGCTCACGTCGGCTCCCGCAAGCGCTCGAGGAGTCGAGCCGGTCCCGG
GGACGGGGTTCGAAAAGAGAAAAGAAGAGCAGGAAAAGACACCTCGAGAACTGCTCGCCCTCCACAT
CCCAAGAGAGAAGCAAGCAGAAGGCCCGGAGGAGAACAAGATCCAGCTCCTCCTCTTCTTCCAGTTC
TTCTAGCTCCTCTTCTCCTCCTCGTCCTCCTCCTCCTCCAGTGATGGCCGGAAGAAGCGGGGGAAG
TACAAGGACAAGAGGAGGAAGAAGAAGAAGAGGAAGAAGCTGAAGAAGAAGGCAAGGAGAAGCGG
AAGCACAGCAGGTGGAGGCTCTGCCGGGCCCTCGCTGGACCAGTGGCACCAGTACAGTGGGAGGAAGA
GGATGGCCAGTCTGACGGATGAGCAGAAGTCCCGAATCCAGGCCATGAAGCCATGACCAAGGAGGAG
TGGGATGCCCGCAGAGCATCATCCGCAAGGTGGTGGACCCTGAGACGGGCGCACCAAGGCTTATTAAGG
GAGATGGCGAGGTCCTAGAGGAAATCGTAACCAAGAAGACACAGAGAGATCAACAAGGTGGGTGTGGC
CCCTCGCTGCCATCCGCCCCAGCTCTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213941 representing NM_001002252
Red=Cloning site Green=Tags(s)

MERAGPAGEEGGAREGRLLPRAPGAWLRAAERAALEVGAAASADTGVRGCGARGPAPLLASAGGGRARD
 GTWGVRTKGSAAALPSRPASRAAPRPEASSPPLPLEKARGGLSGPQGRARGAMAHVGSRRRSRSRSR
 GRGSEKRKKKSRKDTSRNCSASTSQERSKQKARRRTRSSSSSSSSSSSSSSSSSSSSSDGRKKRKG
 YKDKRRRKKKKRKLKKGKEKAEAAQQVEALPGPSLDQWHRSAAGEEDGPVLTDEQKSRIQAMKPMTKEE
 WDARQSIIRKVVDPETGRTRLIKGDGEVLEEIVTKERHREINKVGVAPLPAIRPQLCL

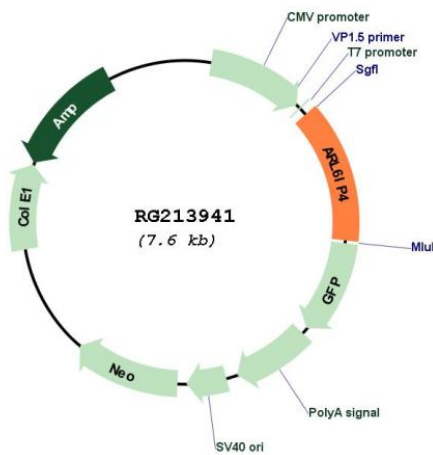
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001002252

ORF Size: 1014 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_001002252.1 , NP_001002252.1
RefSeq Size:	1402 bp
RefSeq ORF:	1200 bp
Locus ID:	51329
UniProt ID:	Q66PJ3
Cytogenetics:	12q24.31
Gene Summary:	Involved in modulating alternative pre-mRNA splicing with either 5' distal site activation or preferential use of 3' proximal site. In case of infection by Herpes simplex virus (HSV1), may act as a splicing inhibitor of HSV1 pre-mRNA.[UniProtKB/Swiss-Prot Function]