

## Product datasheet for **RG224737**

### ARL6IP4 (NM\_001002251) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6IP4 (NM_001002251) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARL6IP4
Synonyms:	SFRS20; SR-25; SRp25; SRrp37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG224737 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_001002251, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACGAGCTGGCCAGCAGGTGAGGAGGGGGCGCCCGAGAAGGGCGACTGCTCCCAGGGCACCCG  
 GGGCTTGGGTGCTCAGGGCATGTGCCGAACGCGCTGACTGGAGGTGGGTGCTGCCTCCGCCACACCGG  
 CGTACGGGGTGTGGCGCAGAGGTCCAGCTCCACTCCTCGCCTCAGCCGGCGGGGACGAGCTCGAGAC  
 GGAACCTGGGAGTTCGACTAAGGGTTCAGGGTCTGCTCTCCGTCACGGCCTGCATCTCGAGCCGCTC  
 CCAGACCCGAGGCGTCATCCCCACTCTGCCTCTGGAAAAGGCAAGAGGAGGTCTTTCTGGCCCCAAGG  
 CGGCAGGGCGAGAGGAGCCATGGCACACGTGGGCACTCGAAAGAGTCCCGGAGCAGATCTCGGTCAAGG  
 GGGCGGGTTCAGAAAAAGAAAAAAGAGTCGAAAGACACTTCTCGGAACTGCAGTGCCTCAACCT  
 CACAGGGAAGAAAGGCATCTACCGCCCCAGGCGCTGAAGAACGATCAAAACAGAAGGCACGCCCGCGAC  
 ACGCTCTTCTTCCAGCTCAAGTTCAGCTCCAGCTCTAGTAGTAGCAGCTCCAGCAGCAGCAGCAGC  
 TCCTCTCCGACGGAAGAAAAAAGGGAAAAATAAGGACAAAAGAAGAAAGAAAAAAGAGAA  
 AGAAATGAAGAAAAAGGTAAGGAAAAGCAGAAGCCAGCAAGTGAAGCACTGCCTGGGCAAGTCT  
 TGATCAGTGGCATAGAAGTGCAGGCGAGGAGGAAGACGGTCCAGTACTGACTGACGAGCAGAAGTCTCGC  
 ATACAGGCTATGAAACCAATGACCAAAGAGGAGTGGGACGCCAGGCAAAGTATTATTAGAAAGGTGGTGG  
 ACCCAGAGACAGGGAGAACTCGGCTGATTAAGGAGATGGCGAGGTATTGGAGGAGATTGTAACATAAGA  
 AAGACATAGAGAAATTAATAAGCAGGCAACGCGGGGATTGTCTGGCCTTTCAGATGAGGGCTGGACTG  
 CTCCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG224737 representing NM\_001002251  
 Red=Cloning site Green=Tags(s)

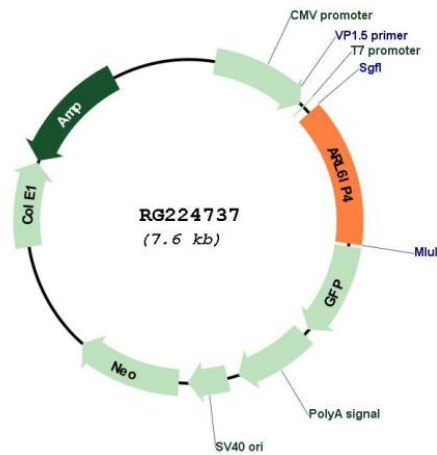
MERAGPAGEEGGAREGRLLPRAPGAWLRAAERAALEVGAAASADTGVRGCGARGPAPLLASAGGGRARD  
 GTWGVRTKGSAAALPSRPASRAAPRPEASSPPLPLEKARGGLSGPQGGRARGAMAHVGSRRSRSRSR  
 GRGSEKRKKKSRKDTSRNCSASTSQGRKASTAPGAEERSKQKARRRTRSSSSSSSSSSSSSSSSSSSS  
 SSSDGRKKRGKYKDKRRKKKKRKLKKGKEKAEQQVEALPGPSLDQWHRSAEEDGPVLTDEQKSR  
 IQAMKPMTKEEWDARQSIIRKVVDPETGRTRLIKGDGEVLEEIVTKERHREINKQATRGDCLAFQMRAGL  
 LP

**TR**TRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001002251

**ORF Size:** 1056 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001002251.1</a> , <a href="#">NP_001002251.1</a>
<b>RefSeq Size:</b>	1633 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	51329
<b>UniProt ID:</b>	<a href="#">Q66PJ3</a>
<b>Cytogenetics:</b>	12q24.31
<b>Gene Summary:</b>	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]