

Product datasheet for **RG230343**

SRPR alpha (SRPRA) (NM_001177842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRPR alpha (SRPRA) (NM_001177842) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SRPR alpha
Synonyms:	DP; Sralpha; SRPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230343 representing NM_001177842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCGACTTCTTCACCATTTTCTCCAAGGGCGGGCTTGCTCTGGTCTTCCAGGGCGTTAGCGACT
 CATGCACCGGACCGTTAACGCGTTGATTCTGTTCCGTGCTGCTGCAGTTGGTTTTTCAGAAGATCCTGAC
 ACTGACATATGTAGACAAATTGATAGATGACGTGCATCGCTGTTTCGGGACAAGTACCGCACAGAGATC
 CAACAGCAAAGTGCTTTAAGTTTATTAATGGCACTTTTGATTTCCAAAATGACTTCTGCGGCTCCTTC
 GTGAAGCAGAGGAGAGCAGTAAGATCCGTGCTCCCACTACCATGAAGAAATTTGAAGATTCTGAAAAGGC
 CAAGAACTGTGAGGTCCATGATTGAGACACGGGGGAAAGCCCAAGGAAAAAGCAAAGAATAGCAAA
 AAAAAGGGGGCAAGAAGGAAGTTCTGATGGTCTTTGGCTACCAGCAAACAGTCCCTGCAGAAAAGT
 CAGGTCTTCCAGTGGTCTGAGAACGGAGTAGAACTTTCCAAAGAGGAGCTGATCCGAGGAAGCGCGA
 GGAGTTCAATCAGAAGCATGGGAGGGGTATGGAGAAGTCCAACAAGTCCACGAAGTCAGATGCTCCAAAG
 GAGAAGGGCAAAAAGCACCCCGGGTGTGGGAAGTGGGTGGCTGTGCTAACAAAGAAGTGTGGATTACA
 GTACTCCCAACCAATGGAACCCCTGAGGCTGCCTTGCTGAGGACATCAACCTGATTCCAGGGACTGG
 GTCTGGGGGCGAGCTTCAGGATCTGAGTGCAGCAGCTCTGATGACGAAGGGGCTGCTCAAACTCTACC
 AAACCTAGTGCACCAAGGGAACACTGGGTGGCATGTTTGGTATGCTGAAGGGCCTTGTTGGGTTCAAAGA
 GCTTGAGTCGTGAAGACATGGAATCTGTGCTGGACAAGATGCGTGATCATCTATTGCTAAGAAGCTGGC
 TGCAGACATTGCCGTCCAGCTCTGTGAATCTGTTGCCAACAAGTTGAAGGGAAGGTGATGGGGACGTTT
 AGCAGCGTGACTTCCACAGTAAAGCAAGCCCTACAGGAGTCCCTGGTGCAGATTCTGCAGCCACAGCGTC
 GTGTAGACATGCTCCGGGACATCATGGATGCCAGCGTCGCCAGCGCCCTTATGTCGTACCTTCTGCGG
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 TGAGTGCCTACACCTCCAGAGAAGCATGGTGGCCGCACCATGGTGCAGTTGTTTGAAGGGGCTATGG
 CAAGGATGCTGCTGGCATTGCCATGGAAGCCATTGCTTTTGACGTAACCAAGGCTTTGACGTGGTCTG
 GTGGACACGGCAGGCCGATGCAAGACAATGCCCTCTGATGACTGCCCTGGCCAACTCATTACTGTCA
 ATACACCTGATTTGGTGTGTTTGTAGGAGAAGCCTTAGTAGGCAATGAAGCCGTGGACAGCTGGTCAA
 GTTCAACAGAGCCTTGGCTGACCATTCTATGGCTCAGACACCTCGGCTCATTGATGGCATTGTTCTTACC
 AAATTTGATACATTGATGACAAGGTGGGAGCTGCTATTTCTATGACGTACATCACAAGCAAACCATCG
 TCTTTGTGGGACCGGCCAGACCTACTGTGACCTACGCAGCCTCAATGCCAAGGCTGTGGTGGCTGCCCT
 CATGAAGGCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

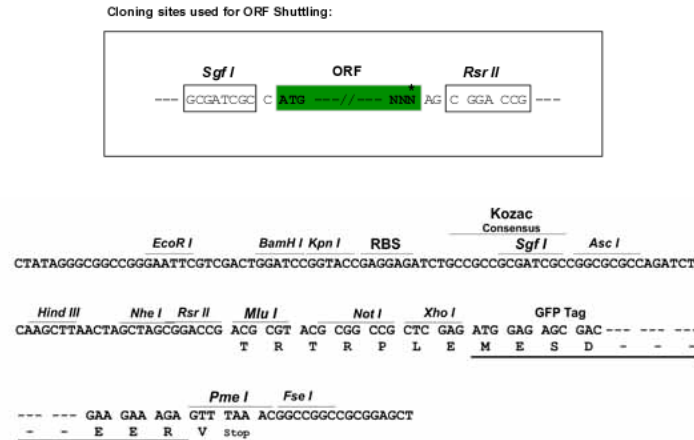
>RG230343 representing NM_001177842
 Red=Cloning site Green=Tags(s)

MLDFFTFISKGGLVLWCFQGVSDCTGPVNALIRSVLLQVGFQKILTLTYVDKLIDDVHRLFRDKYRTEI
 QQQSALSLNLTGDFDQNDLRLREAEESSKIRAPTTMKKFEDSEKAKKPVRSMIETRGEKPKAKNSK
 KKGAKKEGSDGLATSKPVPAEKSGLPVGPENGVELSKEELIRRKREEFIQKHGRGMEKSNKSTKSDAPK
 EKGKKAPRVWELGGCANKEVLDTSTPTTNGTPEAALSEDINLIRGTGSGGQLQDLDCSSSDEGAQNST
 KPSATKGTLLGMFGMLKGLVGSKSLSREDMESVLDKMRDHLIAKNVAADIAVQLCESVANKLEGKVMGTF
 STVTSTVKQALQESLVQILQPQRRVMDLRDQRRQRPVYVTFCGVNGVGKSTNLAKISFWLLENGFS
 VLIACDFTFRAGAVEQLRTHTRRLSALHPPEKHGGRTMVQLFEKGYGKDAAGIAMEAIAFARNQGFVVL
 VDTAGRMQDNAPLMTALAKLITVNTPDVLFVGEALVGNEAVDQLVKFNALADHSMATPRLIDGIVLT
 KFDTIDDKVGAAISMTYITSKPIVFGTGQTYCDLRSLNAKAVVAALMKA

SGPTRRRLE - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001177842

ORF Size: 1830 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.

RefSeq: [NM_001177842.1](#), [NP_001171313.1](#)

RefSeq Size: 3016 bp

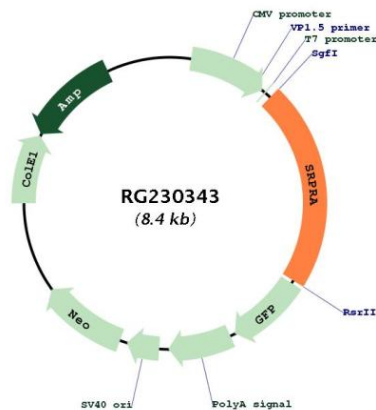
RefSeq ORF: 1833 bp

Locus ID: 6734

UniProt ID: [P08240](#)

Cytogenetics:	11q24.2
Protein Families:	Druggable Genome
Protein Pathways:	Protein export
Gene Summary:	The gene encodes a subunit of the endoplasmic reticulum signal recognition particle receptor that, in conjunction with the signal recognition particle, is involved in the targeting and translocation of signal sequence tagged secretory and membrane proteins across the endoplasmic reticulum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

Product images:



Circular map for RG230343