

Product datasheet for **RG212903**

C14orf43 (ELMSAN1) (NM_194278) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | C14orf43 (ELMSAN1) (NM_194278) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | C14orf43 |
| Synonyms: | C14orf43; C14orf117; c14_5541; ELMSAN1; LSR68 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG212903 representing NM_194278 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCCAGGCCAGCCCAAGGCTCAGAACAAGCGGAAGCGTTGCCTCTTCGGGGGCCAGGAACCAG
CTCCCAAGGAGCAGCCCCCTCCCCTGCAGCCCCCCAGCAGTCCATCAGAGTGAAGGAGGAGCAGTACCT
CGGGCAGGAGGGTCCAGGAGGGGAGTCTCCACCTCTCAGCCTGTGAACTGCCCCCTCCTAGCAGCCTG
GCCCTGTGAACCTCTGTGGTATATGGGCTGAGCGGACCTCAGCAGCCATGCTGTCCAGCAGGTGGCT
CAGTAAAGTGGCCAACTCTGTGATGGTCCAGGGCGGGGCCGAGCGTGGAGGAGGTGGGGGTGTGAG
TGACAGCAGCTGGCAGCAGCAGCCAGGCCAGCCTCCACCCATTCAACATGGAAGTCCACAGTCTGTCC
CTCTACAGTGCAACCAAGGGGAGCCCGCATCTGGAGTGGGAGTCCCGACTTACTATAACCACCCCTGAGG
CACTGAAGCGGGAGAAAGCGGGGGGCCACAGCTGGACCCTATGTGCGACCAATGATGCCACAGAAGGT
GCAGCTGGAGGTAGGGCGGCCCCAGGCACCCCTGAATCTTTCCACGCAGCCAAGAAACCCCAACCCAG
TCACTGCCCTGCAACCTTCCAGCTGGCATTGGCCACCAGGTGAACCGGCAGGTCTTCCGGCAGGGCC
CACCGCCCCAAACCCGGTGGCTGCCTCCCTCCACAGAAGCAGCAGCAGCAGCAGCAACACAGCAGCA
GCAGCAGCAGCAGCAGCCAGCCCTACCCAGATGCCGCTCTTTGAGAACTTCTATTCCATGCCGCAGCAA
CCCTCGCAGCAACCCAGGACTTTGGCTGCAGCCAGCTGGGCCACTGGGACACTCCACCTGGCTCACC
ACAGCATGGCACCTACCCCTTCCCCCAACCCAGATATGAACCCAGAAGTCCGCAAGGCCCTTCTGCA
GGAAGTCCAGCCCCGAGCCAGCGCTACCTCAGGTCCAGATCCCTTCCCCCGCCGCTCCCGCCGCTCTCT
AAGGAGGGTATCCTGCCTCCAGCGCCCTGGATGGGGCTGGCACCCAGCCTGGCAGGAGGCCACTGGCA
ACCTGTTCTACATCACTGGCCCTGCAGCAGCCGCCACCTGGCTCCCTGGGGCAGCCCCATCCTGAAGC
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AGGTGCTACGGGGCGGAGTGATCCAGAGCACGCGACGGAGGCCCGGGCATCCAGGAGGCCAATTTGCT
GACCCTGGCCAGAAGGCTGTGGAGCTGGCCTCACTGCAGAATGCAAGGATGGCAGTGGTTCTGAAGAG



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AAGCGGAAAAGTGTATTGGCCTCAACTACCAAGTGTGGGGTGGAGTTTTCTGAGCCTTCCTAGCCACCA
 AGCGAGCACGAGAAGACAGTGGGATGGTACCCCTCATCATCCCAGTGTCTGTGCCTGTGCGAACTGTGGA
 CCCAACTGAGGCAGCCAGGCTGGAGGTCTTGATGAGGACGGGAAGGGTCTGAACAGAACCCTGCTGAG
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 GCCCTCATCATCCCCACCAAGGCGGGCACTTTCATCGCCCCTCCCGTCTACTCCAACATACCCCATAC
 CAGAGCCACCTGGCCTCTCCCGTGGCCTAGCTGACCACCCCTCTGAGCGGAGCTTTGAGCTACCTCCCT
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 CCACAACCATCCGCTGGCAACTATCACTACACAGGCTCTGACCAGTGGAAAGATGGCCGAGAGGAAGCTG
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 TGGCCAGTGCCTGGAGTTCTACTACACCTACAAGAAGCAGGTGAAAATCGGCCGCAATGGGACTCTAAC
 CTTTGGGGATGTGGATACGAGCGATGAGAAGTCGGCCAGGAAGAGGTTGAAGTGGATATTAAGACTTCC
 CAAAAGTCCCAAGGGTGCCTTCCCAGAAGAGAGTCCCAAGTGAAGAGAGGCTGGAGCCCAAGAGGG
 AGGTGAAGGAGCCAGGAAGGAGGGGGAGGAGGAGGTGCCAGAGATCCAAGAGAAGGAGGAGCAGGAAGA
 GGGCGGAGAGCGCAGCAGCGGGCAGCGGCAGTCAAAGCCACGCAGACACTACAGGCCAATGAGTCGGCC
 AGTGACATCCTCATCCTCCGAGCCACGAGTCCAACGCCCTGGTCTGCCGGTGGCCAGGCCCTCGGAGA
 AGCCAAGGGAAGGACAGGGAAGTCACGAAGGGCACTACCTTTTTTCAGAGAAGAAGAAAAAACAGAGAC
 ATTCAGTAAGACCCAGAATCAGGAGAACACTTCCCCTGTAAAAAATGTGGCAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212903 representing NM_194278
 Red=Cloning site Green=Tags(s)

MNLQAQPKAQNKRRKCLFGGQEPAPKEQPPLQPPQQSIRVKEEQYLGHEGPGGAVSTSQPVLPSPSSL
 ALLNSVYGPPTSAAMLSQQVASVKWPNSVMAPGRGPERGGGGVSDSSWQQPGQPPHSTWNCHSL
 LYSATKGSPPHGVVPTYYNHPEALKREKAGGPQLDRYVRPMPQKQVQLEVGRPQAPLNSFHAACKPPNQ
 SLPLQPFQLAFGHQVNRQVFRQGGPPPNPVAAFPPKQQQQQQPQQQQQQAALPQMPLEFNFYSMPQQ
 PSQQPQDFGLQFAGPLGQSHLAHSMAPYFPNPNPDMNPELRKALLQDSAPQALPQVQIPFRRSRRLS
 KEGILPPSALDGAGTQPGQEATGNLFLHHWPLQPPPGSLGQPHPEALGFLELRESQLLPDGERLAPNG
 REREAPAMGSEEGMRAVSTGDCGQVLRGGVIQSTRRRRRASQEANLLTLAQKAVELASLQNAKDGSGSEE
 KRKSVLASTTKCGVEFSEPSLATKRAREDSGMVPLIIPVSVVVRTVDPTAAQAGGLDEDGKGPEQNP
 HKPSVIVTRRRSTRIPGTDAQAEDMNVKLEGEPSVRKPKQRPRPEPLIIPTKAGTFIAPPVYSNITPY
 QSHLRSPVRLADHPSERSFELPPYTPPILSPVREGSLYFNAAIISTSTIPAPPPITPKSAHRTLLRTNS
 AEVTPPVL SVMGEATPVSIEPRINVGSRFQAEIPLMRDRALAAADPHKADLVWQPWEDLESSREKQVQVE
 DLLTAACSSIFPGAGTNQELALHCLHESRGDILETLNKLKLLKPLRPHNHPLATYHYTGSDQWKMAERKL
 FNKGIAIYKDFLQKLIQTKTVAQCVEFYTYKQVKIGRNGTLTFGDVDTSDKSAQEEVEVDIKTS
 QKFPRVPLPRRESPEERLEPKREVKEPRKEGEEVEPEIQEKEEQEGRERSRRAAVKATQTLQANESA
 SDILILRSHE SNAPGSAGQASEKPREGTGKSRRALPFSEKKTETFSKTQNTFPCKKCGR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_194278

ORF Size: 3135 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.

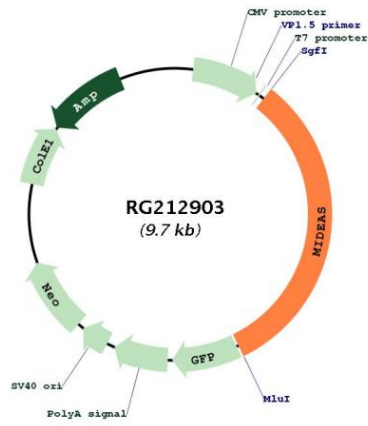
RefSeq: [NM_194278.3](#)

RefSeq Size: 8105 bp

RefSeq ORF: 3138 bp

Locus ID: 91748
 UniProt ID: [Q6PJG2](#)
 Cytogenetics: 14q24.3

Product images:



Circular map for RG212903