

Product datasheet for **RG217065**

C14orf43 (ELMSAN1) (NM_001043318) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C14orf43 (ELMSAN1) (NM_001043318) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MIDEAS
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: >RG217065 representing NM_001043318
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAACCTCCAGGCCAGCCCAAGGCTCAGAACAAGCGGAAGCGTTGCCTCTTCGGGGGCCAGGAACCAG
 CTCCAAGGAGCAGCCCCCTCCCCTGCAGCCCCCAGCAGTCCATCAGAGTGAAGGAGGAGCAGTACCT
 CGGGCAGGAGGGTCCAGGAGGGGAGTCTCCACCTCTCAGCCTGTGAACTGCCCCCTCCTAGCAGCCTG
 GCCCTGTGAACCTCTGTGGTATATGGGCTGAGCGGACCTCAGCAGCCATGCTGTCCAGCAGGTGGCT
 CAGTAAAGTGGCCAACTCTGTGATGGTCCAGGGCGGGCCCGGAGCGTGGAGGAGGTGGGGGTGTGAG
 TGACAGCAGCTGGCAGCAGCAGCCAGGCCAGCCTCCACCCATTCAACATGGAAGTCCACAGTCTGTCC
 CTCTACAGTGCAACCAAGGGGAGCCCGCATCTGGAGTGGGAGTCCCGACTTACTATAACCACCCTGAGG
 CACTGAAGCGGGAGAAAGCGGGGGGCCACAGCTGGACCCTATGTGCGACCAATGATGCCACAGAAGGT
 GCAGCTGGAGGTAGGGCGGCCCCAGGCCCCCTGAATTTTCCACGCAGCCAAGAAACCCCAACCCAG
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 CACCGCCCCAAACCCGGTGGCTGCCTCCCTCCACAGAAGCAGCAGCAGCAGCAACACAGCAGCA
 GCAGCAGCAGCAGGAGCCCTACCCAGATGCCGCTCTTTGAGAATCTATTCCATGCCGCAGCAA
 CCCTCGCAGCAACCCAGGACTTTGGCTGCAGCCAGCTGGGCCACTGGGACAGTCCCACCTGGCTCACC
 ACAGCATGGCACCTACCCTTCCCCCAACCCAGATATGAACCCAGAAGTCCGCAAGGCCCTTCTGCA
 GGAAGTCCAGCCCCGAGCCAGCGCTACCTCAGGTCCAGATCCCCTTCCCCCGCCGCTCCCGCCGCTCTCT
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 ACCTGTTCTACATCACTGGCCCTGCAGCAGCCGCCACCTGGCTCCCTGGGGCAGCCCCATCCTGAAGC
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 GACCCTGGCCAGAAGGCTGTGGAGCTGGCCTCACTGCAGAATGCAAGGATGGCAGTGGTTCTGAAGAG



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AAGCGGAAAAGTGTATTGGCCTCAACTACCAAGTGTGGGGTGGAGTTTTCTGAGCCTCCTTAGCCACCA
 AGCGAGCACGAGAAGACAGTGGGATGGTACCCCTCATCATCCCAGTGTCTGTGCCTGTGCGAACTGTGGA
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 CAAAAGTCCCAAGGGTGCCTTCCCAGAAGAGAGTCCCAAGTGAAGAGAGGCTGGAGCCCAAGAGGG
 AGGTGAAGGAGCCAGGAAGGAGGGGGAGGAGGAGGTGCCAGAGATCCAAGAGAAGGAGGAGCAGGAAGA
 GGGCGGAGAGCGCAGCAGGCGGGCAGCGGCAGTCAAAGCCACGCAGACACTACAGGCCAATGAGTCGGCC
 AGTGACATCCTCATCCTCCGAGCCACGAGTCCAACGCCCTGGTCTGCCGGTGGCCAGGCCTCGGAGA
 AGCCAAGGGAAGGACAGGGAAGTCACGAAGGGCACTACCTTTTTTCAGAGAAGAAGAAAAAACAGAGAC
 ATTCAGTAAGACCCAGAATCAGGAGAACACTTCCCCTGTAAAAAATGTGGCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217065 representing NM_001043318
 Red=Cloning site Green=Tags(s)

MNLQAQPKAQNKRRKCLFGGQEPAPKEQPPLQPPQQSIRVKEEQYLGHEGPGGAVSTSQPVLPSPSSL
 ALLNSVYVGPPTSAMLSQQVASVKWPNVSVMAPGRGPERGGGGVSDSSWQQPGQPPHSTWNCHSL
 LYSATKGSPPHGVVPTYYNHPEALKREKAGGPQLDRYVRPMPQKQVQLEVGRPQAPLNSFHAACKPPNQ
 SLPLQPFQLAFGHQVNRQVFRQGGPPPNPVAAFPPQKQQQQQPQQQQQQAALPQMPLEFNFYSMPQQ
 PSQQPQDFGLQFAGPLGQSHLAHHSMPYFPFPPNPDMPNPELRKALLQDSAPQALPQVQIPFRRSRRLS
 KEGILPPSALDGAGTQPGQEATGNLFLHHWPLQPPPGSLGQPHPEALGFLELRESQLLPDGERLAPNG
 REREAPAMGSEEGMRAVSTGDCGQVLRGGVIQSTRRRRRASQEANLLTLAQKAVELASLQNAKDGSGSEE
 KRKSVLASTTKCGVEFSEPSLATKRAREDSGMVPLIIPVSVVVRTVDPTAAQAGLDEDGKGPEQNP
 HKPSVIVTRRRSTRIPGTDAQAEDMNVKLEGEPSVRKPKQRPRPEPLIIPTKAGTFIAPPVYSNITPY
 QSHLRSPVRLADHPSERSFELPPYTPPILSPVREGSLYFNAAIISTSTIPAPPPITPKSAHRTLLRTNS
 AEVTPPVLSVMGEATPVSIEPRINVGSRFQAEIPLMRDRALAAADPHKADLVWQPWEDLESSREKQVQVE
 DLLTAACSSIFPGAGTNQELALHCLHESRGDILETLNKLKLLKPLRPHNHPLATYHYTGSDQWKMAERKL
 FNKGIAIYKDFLQKLIQTKTVAQCVEFYTYKQVKIGRNGTLTFGDVDTSDKSAQEEVEVDIKTS
 QKFPRVPLPRRESPEERLEPKREVKEPRKEGEEVEPEIQEKEEQEGRERSRRAAVKATQTLQANESA
 SDILILRSHESNAPGSAGQASEKPREGTGKSRRALPFSEKKTETFTSKTQNTFPCKKCGR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<u>NM_001043318.3</u>
RefSeq Size:	7656 bp
RefSeq ORF:	3138 bp
Locus ID:	91748
UniProt ID:	<u>Q6PJG2</u>
Cytogenetics:	14q24.3