

Product datasheet for **MG219198**

Stard13 (NM_001163493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stard13 (NM_001163493) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stard13
Synonyms:	DLC2; GT650
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219198 representing NM_001163493 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGCCAGGTGCCAGGACGCCGGCTGCAGGCTGCTACTATCTAAACCCCTTGACACCTGAGAGCC
AGGAGATGTAAGTGGATTTGATCAGACTGCCAGACGCTCTCCCTACAGGATGAGCCGGATCCTAGCACG
CCATCACCTAGTACTAAAATCCAGCAAGAAATTGAGGCGAAGGAAGCATGTGACTGGCTCCGAGCTGCC
GGGTTCCCGCAGTACGCTCAGCTGTATGAAGATTCGCAGTTCCCATCAACATTGCGGCCGTCAAAAAG
ACCATGACTTTCTTGAAGGGACCTTGTAGAACCTCTTTCAGACGACTTAATACGTTGAACAAGTGTGC
CTCAATGAGACTTGATGTGAACCTCCAAAGGAAAAGGGTGACGACTCAGATGAGGAAGACTGTGCATC
AGCAACAATGGACTTCCAGAGAACCAGCCGAGATGGTCCCGTGTGGATGACCTGCATACGCTGTTCC
CCGTGGCAGACAGAAACGGGTCCCAGGAGGCCCTAGGATGAGAAAACACAGCCAGCAGTGAGAGCGTGCT
CACGGATCTGAGTGAGCCAGAGGTCTGCTCTATTACAGCGAAAGCAGTGGGGCAGTGACAGCCGACG
CAATCAGGGCATCATTCTGCTGACAGTACGCATGCGCTGGAGGCCACCCTGGTCAAGTACGAGCCTCCAC
AGTCTACCCGAGAGGGTCTCAACCAGTCTTTTACCCCAAGAATGAGAAACCCACCAGGACCAGGGCCAA
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TAAGTCAAGTGGTGAGAGCAGCCCCCTGGAGAACAGCAGCACAGTGAAGTCCGTCATGAAGGAACGC
AAGTGCCACCACGAGGCCAAACAGCGGGTGGCATGTACCTGGAGGACCTGGATGTGCTGGCAGGGACGG
CATTACCAGATACGTCAGACCAAAACCATGCATGGGTTTCACTCCCAAGAAAACCTTGGTGGTCCACAT
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AGCAATGGGGTAACTGGAGGACCGGGAGTATCTCCCTGGTAGGCAACAGGGCCCTGGCATGAGGGAAC
CCAGACTCATGTCTTCTGCCACAGGGCCAGCCGTGTGATATCTATGACAATGTCCCAGCTCGCACCT
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CAGCATGTCAATGGCATACAAGAGGTAGTGGATGACTGGTCAAAAAACATCTTACCCGAAGTCAAAGTC
 ACAGCACATTGGCAGGGGATCCTGGTCTGTCCCATCCCATCTCCCAATCAGGTCACCTTATGATTTTGA
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 AGGACCTCAATGAAAATCTAGCTGCGGCTCAGGGGCTGGCCACATGATCACGGAATGCAACCGACTCTT
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 CTGGAAGACTTGGGAGCAGACTGGCGGAGAGCGGGCAACTTTTACACGTAAGTGGAGCATCTAGTCC
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 CTGTCTGTGGAGTACGAAGAAGCCAGCTCATGGTGGCGTGGGGCGGTGGTGTGACTCTCAGTACC
 TGATAGAACCCTGCGTCTGGCAAGTCCAGGCTGACCCACATCTGCAGAATAGACCTGAAGGGCCACTC
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 CAGCCTCTCGTGTGAGGGTCCAGAAACAAAATC

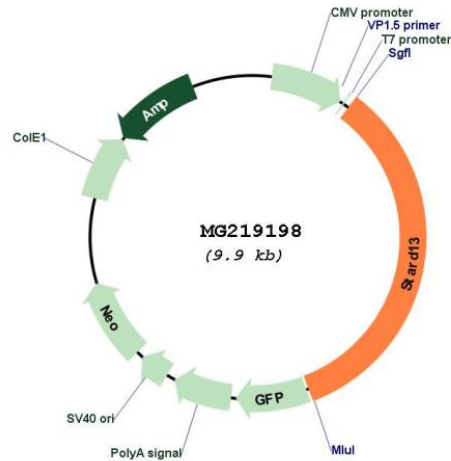
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219198 representing NM_001163493
 Red=Cloning site Green=Tags(s)

MFSQVPRTPAAGCYLNLPTPESEQEMYLRFDQTARRSPYRMSRILARHHLVTKIQEIEAKEACDWLRAA
 GFPQYAQLYEDSQFPINIAAVKDHDFLERDLVEPLCRRNLNLKCSMRLDVNFQRKGGDSDEEDLCI
 SNKWTFFQRTSRRWSRVDDLHTLFPVADRNGSPGGPRMRNTASSESVLTDLSEPEVCSIHSESSGSDSRS
 QSGHHSADSTHALEATLVSSSLPQSTREGLNQSFHPKNEKPTRTRAKSFLKRMMDLTVKALGRHKGPGR
 TGGLVISRPVLQEPESFKTMQCVQIPNGDLQTSPPAACRKGKPCSSKSSGESSPLENSSTVSTPCMKER
 KCHHEANKRGGMYLEDLVDLAGTALPDTSDQNHMHGFSQENLVVHIPKDHKPGTFPKALSIESLSPTDN
 SNGVNWRTGSISLGRQQGPMREPRMLMSSCHRASRVSIYDNPVSSHLYASTGDLLDLEKDGLLPQLDDIL
 QHVNGIQEVVDDWSKNILPELQSHSTLAGDPGLSPFPSPNQVTLDFEGNSVSEGRTPSPDVERDRTSLNE
 SEATGVRERRDSGVGASLTRPNRRLRWSSFQLSHQPQSPATPHISSQTAAQLNLLQRFSLRLTAIMEK
 YSMSNKHGWTCLSAQSAPGALHDLVSVNSRSVPKFMKRIKAPDYRDKAVFGVPLIVHVQRTGQPLPQSIQ
 QALRYLRSNCLDQVGLFRKSGVKSRIHALRQMNENFPDNPVSYEDQSAVDVADMVKQFFRDLPEPLFTNKL
 SETFLHIYQYVPKEQRLQAVQAAIILLADENREALQTLCLFLHDVVNLDENQMTMPNLAACLAPSLFHL
 NLLKKESSPKVIQKKYATGKPDQKDLNENLAAAQGLAHMITECNRLFVPHMVAQSRDSYLEAEIHVPS
 LEDLGAQLAESGATFHTYLEHLVQGLQKEAKEFKGWVTCSSPDNTDLAFKKVGDGHPLKLWKASVEVEA
 PPSVVLNRLRERHLWDEDFVQWKVVERLDKQTEIYQYVLSMVPHPSRDFLVLRTWKTDLPKGMCTLVS
 LSVEYEEAQLMGGVRAVVMDSQYLIEPCGSGKSRLTHICRIDLKGHSPEWYSKGFHLCAAEVTRIRNSF
 QPLVAEGPETKI

TRTRPLE – GFP Tag – V

Plasmid Map:


ACCN: NM_001163493

ORF Size: 3396 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_001163493.1](#), [NP_001156965.1](#)

RefSeq Size: 5638 bp

RefSeq ORF: 3399 bp

Locus ID: 243362

Cytogenetics: 5 G3

Gene Summary: May function as a GTPase-activating protein.[UniProtKB/Swiss-Prot Function]