

Product datasheet for **MG211650**

Stard13 (BC027830) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stard13 (BC027830) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stard13
Synonyms:	DLC2, GT650, MGC38133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211650 representing BC027830 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGCCAGGTGCCAGGACGCCGGCTGCAGGCTGCTACTATCTAAACCCCTTGACACCTGAGAGCC
AGGAGATGTAAGTGGATTTGATCAGACTGCCAGACGCTCTCCCTACAGGATGAGCCGGATCCTAGCACG
CCATCACCTAGTACTAAAATCCAGCAAGAAATTGAGGCGAAGGAAGCATGTGACTGGCTCCGAGCTGCC
GGGTTCCCGCAGTACGCTCAGCTGTATGAAGATTCGCAGTTCCCATCAACATTGCGGCCGTCAAAAAAG
ACCATGACTTTCTTGAAGGGACCTTGTAGAACCTCTTTCAGACGACTTAATACGTTGAACAAGTGTGC
CTCAATGAGACTTGATGTGAACCTCCAAAGGAAAAGGGTGACGACTCAGATGAGGAAGACTGTGCATC
AGCAACAATGGACTTCCAGAGAACCAGCCGAGATGGTCCCGTGTGGATGACCTGCATACGCTGTTCC
CCGTGGCAGACAGAAACGGGTCCCAGGAGGCCCTAGGATGAGAAAACACAGCCAGCAGTGAGAGCGTGCT
CACGGATCTGAGTGAGCCAGAGGTCTGCTCTATTACAGCGAAAGCAGTGGGGCAGTGACAGCCGACG
CAATCAGGGCATCATTCTGCTGACAGTACGCATGCGCTGGAGGCCACCCTGGTCAAGTACGAGCCTCCAC
AGTCTACCCGAGAGGGTCTCAACCAGTCTTTTACCCCAAGAATGAGAAACCCACCAGGACCAGGGCCAA
GTCTTTCTGAAACGCATGGATACCCTGAGAGTGAAGGGTGCACCTGGGAGGCATAAGGGGCCAGGGCGG
ACAGGAGGCTGGTCACTAGTGGCTGTGCTGCAGCAGGAACCGGAGTCTTTAAGACCATGCAGTGGC
TCCAGATACCCAAACGGAGATCTGCAGACCTCACCTCCAGCTGCCTGCAGGAAAGGCCTCCCATGCTCCAG
TAAGTCAAGTGGTGAGAGCAGCCCCCTGGAGAACAGCAGCACAGTGAAGTCCGTCATGAAGGAACGC
AAGTGCCACCACGAGGCCAAACAGCGGGTGGCATGTACCTGGAGGACCTGGATGTGCTGGCAGGGACGG
CATTACCAGATACGTCAGACCAAAACCGTGCATGGGTTTCACTCCCAAGAAAATTGGTGGTCCACAT
TCCCAAGGATCACAACCCAGGAACGTTCCCAAGGCACTTTCTATAGAAAGCCTCTCACCCACAGACAAC
AGCAATGGGGTAACTGGAGGACCGGGAGTATCTCCCTGGTAGGCAACAGGGCCCTGGCATGAGGGAAC
CCAGACTCATGTCTTCTGCCACAGGGCCAGCCGTGTGATATCTATGACAATGTCCCAGCTCGCACCT
GTATGCCAGCACAGGAGATCTGTTGGACCTGGAGAAAGACGGCCCTCTTCCACAGCTGGATGACATCCTA



[View online »](#)

CAGCATGTCAATGGCATACAAGAGGTAGTGGATGACTGGTCAAAAAACATCTTACCCGAAGTCAAAGTC
 ACAGCACATTGGCAGGGGATCCTGGTCTGTCCCATCCCATCTCCCAATCAGGTCACTTTAGATTTTGA
 AGGCAACTCTGTCTCAGAAGGTCGGACAACACCTAGTGATGTGAAAGGGACAGGACTTCTCTGAATGAA
 TCGGAGGCCACTGGGGTCAGAGAAAAGAGGATTCTGGTGTGGGGCCTCTCTGACCAGACCAACAGAC
 GACTAAGTGGAGCAGCTTCCAGCTCTCACACCAGCCCCAGCCGCTCTCCAGCCACCCGCACATCAGCAG
 CCAGACGGCCGCCAGCTGAACCTGTCCAGCGCTTCCCTACTTCGTCTTACGGCCATCATGGAGAAG
 TACTCTATGTCCAACAAGCACGGCTGGACCTGGTCCGTTCCAAAGTTCATGAAGAGGATCAAAGCTCTG
 ACTACCGAGACAAGGCTGTCTTCGGTGTCCGCTCATAGTCCACGTTCCAGAGAACAGGACAGCCCTGCC
 TCAGAGCATCCAACAAGCACTGAGGTATCTACGTAGCAACTGTCTGGATCAGGTGGGTCTTTTCCGCAAG
 TCAGGAGTGAAGTCTCGAATCCATGCCCTCCGTGAGTGAATGAGAACTCCCTGACAATGTGAGCTATG
 AAGACCAGTCTGCATACGACGTGGCAGATATGGTGAAGCAGTTCTTCCGGGACCTCCCTGAGCCCTGTT
 CACCAACAAGCTCAGCGAGACCTTCTCCACATCTATCAGTATGTCCCAAGAGCAGCGGCTGCAGGCC
 GTGCAGGCAGCCATCCTGCTGTGGCCGACGAAACCGGAGGCTCTGCAGACTCTCTGTGCTTCTCTGC
 ATGACGTAGTAACTTGGTGGACGAGAATCAGATGACGCCATGAATCTGGCCGTGTGCCTGGCCCCCTC
 CCTCTTTACCTAACTTACTGAAGAAAAGAGCTCCCCAAAAGTCATCCAGAAGAAATACGCCACTGGG
 AAGCCAGATCAGAAGGACCTCAATGAAAATCTAGCTGCGGCTCAGGGGCTGGCCACATGATCACGGAAT
 GCAACCGACTCTTTGAGGTTCCACACGAGATGGTGGCCAGTCTCGGGACTCCTACTTAGAGGCTGAAAT
 CCATGTGCCAGCCTGGAAGACTTGGGAGCACAGCTGGCGGAGAGCGGGCAACTTTTACACGTAAGTGTG
 GAGCATCTAGTCCAAGGCTCCAGAAAGAGGCTAAGGAGAAATCAAGGGATGGGTACATGTTCCAGCC
 CTGACAACACAGACCTTGCTTTCAAAAAGTGGGCGATGGGCACCCGCTGAAGCTGTGAAAGCATCTGT
 GGAGGTGGAGGCACCACCTCCGTGGTGTGAACCGTGTCTGAGAGAACGTACCTGTGGGATGAGGAC
 TTTGTGCAGTGAAGGTGGTGAAGATGGACAACAACCGAAATCTACCAGTACGTGCTAAACAGCA
 TGGTTCACATCCCTCCAGAGACTTCTGGTGTCTCAGGACCTGGAAGACTGACCTGCCAAAGGAATGTG
 CACCCTGGTCCCTGTCTGTGGAGTACGAAGAAGCCAGCTCATGGGTGGCGTGAGGGCCGTGGTGTG
 GACTCTAGTACCTGATAGAACCCTGCGGTTCTGGCAAGTCCAGGCTGACCCACATCTGCAGAATAGACC
 TGAAGGGCCACTCCCAAGATGGTACAGCAAAGGCTTTGGACACCTCTGTGCGGCAGAAGTTACCAGAAT
 TAGGAACCTTTCCAGCCTCTCGTGTGAGGGTCCAGAAACAAAAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211650 representing BC027830
 Red=Cloning site Green=Tags(s)

MFSQVPRTPAAGCYLNLPLTPESQEMYLRFDQTARRSPYRMSRILARHHLVTKIQQEIEAKEACDWLRAA
 GFPQYAQLYEDSQFPINIAAVKDDHDFLERDLVEPLCRRNLNLKCSMRLDVNFQRKKGDDSDDEDLCI
 SNKWTFFQRTSRRWSRVDDLHTLFPVADRNGSPGGPRMRNTASSESVLTDLSEPEVCSIHSESSGSDSRS
 QSGHHSADSTHALEATLVSSSLPQSTREGLNQSFHPKNEKPTRTRAKSFLKRMMDLTVKALGRHKGPGR
 TGGLVISRPVLQQEPESFKTMQCVQIPNGDLQTSPPAACRKGKLPSSKSSGESSPLENSSTVSTPCMKER
 KCHHEANKRGGMYLEDLDVLAGTALPDTSDQNHVHGFHSQENLVVHIPKDHKPGTFPKALSIESLSPTDN
 SNGVNWRTGSI SLGRQQGPMREPRMLMSSCHRASRVSIYDNVPSHLYASTGDLLDLEKDGLLPQLDDIL
 QHVNGIQEVVDDWSKNILPELQSHSTLAGDPGLSPFPSPNQVTLDFEGNSVSEGRTPSPDVERDRTSLNE
 SEATGVRERRDSGVGASLTRPNRRLRWSSFQLSHQPQSPATPHISSQTAQNLNLQRFLLRLTAIMEK
 YSMSNKHGWTWSVPKFMKRIKAPDYRDKAVFGVPLIVHVQRTGQPLPQSIQQALRYLRSNCLDQVGLFRK
 SGVKSRIHALRQMNENFPDQVSYEDQSAVDVADMVKQFFRDLPEPLFTNKLSETFLHIYQYVPKEQRLQA
 VQAAIILLADENREVLQTLCLFDVNVNLDENQMPMNLAVCLAPSLFHLNLLKKESSPKVIQKKYATG
 KPDQKDLNENLAAAQGLAHMITECNRLFVPHMVAQSRDSYLEAEIHVPSLEDLGAQLAESGATFHTYL
 EHLVQGLQKEAKEKFKGWVTCSSPDNTDLAFKKVGDGHPKLVKASVEVEAPPVVLNRVLRERHLWDED
 FVQWKVVERLDKQTEIYQYVLSMVPHPSRDFLVLRTWKTDLPKGMCTLVSLSVEYEEAQLMGGVRAVVM
 DSQYLIEPCGSGKSRLLTHICRIDLKGHSPEWYSKGFGLCAAEVTRIRNSFQPLVAEGPETKI

TRTRPLE - GFP Tag - V

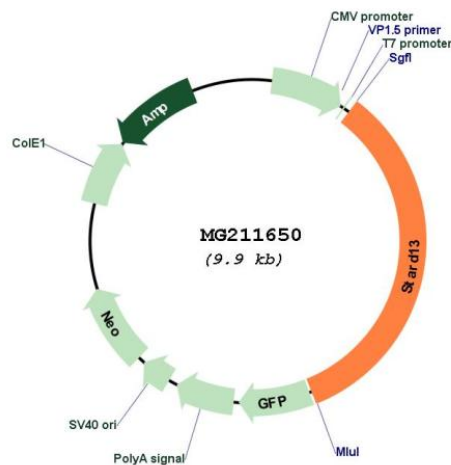
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC027830

ORF Size: 3341 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:	<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>BC027830, AAH27830</u>
RefSeq Size:	5494 bp
RefSeq ORF:	3341 bp
Locus ID:	243362
Cytogenetics:	5 G3
Gene Summary:	May function as a GTPase-activating protein.[UniProtKB/Swiss-Prot Function]