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Product datasheet for MR211650

Stard13 (NM_146258) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stard13 (NM_146258) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stard13
Synonyms:	DLC2; GT650
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211650 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTCAGCCAGGTGCCCAGGACGCCGGCTGCAGGCTGCTACTATCTAAACCCCTTGACACCTGAGAGCC AGGAGATGTACTTGCGATTTGATCAGACTGCCAGACGCTCTCCCTACAGGATGAGCCGGATCCTAGCACG CCATCACCTAGTGACTAAAATCCAGCAAGAAATTGAGGCGAAGGAAGCATGTGACTGGCTCCGAGCTGCC GGGTTCCCGCAGTACGCTCAGCTGTATGAAGATTCGCAGTTCCCCATCAACATTGCGGCCGTCAAAAAAG ACCATGACTTTCTTGAAAGGGACCTTGTAGAACCTCTTTGCAGACGACTTAATACGTTGAACAAGTGTGC CTCAATGAGACTTGATGTGAACTTCCAAAGGAAAAAGGGTGACGACTCAGATGAGGAAGACCTGTGCATC AGCAACAAATGGACTTTCCAGAGAACCAGCCGCAGATGGTCCCGTGTGGATGACCTGCATACGCTGTTCC CCGTGGCAGACAGAAACGGGTCCCCAGGAGGCCCTAGGATGAGAAACACAGCCAGCAGTGAGAGCGTGCT CACGGATCTGAGTGAGCCAGAGGTCTGCTCTATTCACAGCGAAAGCAGTGGGGGCAGTGACAGCCGCAGC CAATCAGGGCATCATTCTGCTGACAGTACGCATGCGCTGGAGGCCACCCTGGTCAGTAGCAGCCTCCCAC AGTCTACCCGAGAGGGTCTCAACCAGTCTTTTCACCCCAAGAATGAGAAACCCACCAGGACCAGGGCCAA GTCCTTTCTGAAACGCATGGATACCCTGAGAGTGAAGGGTGCACTTGGGAGGCATAAGGGGCCAGGGCGG ACAGGAGGCCTGGTCATCAGTAGGCCTGTGCTGCAGCAGGAACCGGAGTCCTTTAAGACCATGCAGTGCG TCCAGATACCCAACGGAGATCTGCAGACCTCACCTCCAGCTGCCTGCAGGAAAGGCCTCCCATGCTCCAG TAAGTCAAGTGGTGAGAGCAGCCCCCTGGAGAACAGCAGCACAGTGAGCACTCCGTGCATGAAGGAACGC AAGTGCCACCACGAGGCCAACAAGCGCGGTGGCATGTACCTGGAGGACCTGGATGTGCTGGCAGGGACGG CATTACCAGATACGTCAGACCAAAACCACATGCATGGGTTTCACTCCCAAGAAAACTTGGTGGTCCACAT TCCCAAGGATCACAAACCAGGAACGTTCCCCAAGGCACTTTCTATAGAAAGCCTCTCACCCACAGACAAC AGCAATGGGGTTAACTGGAGGACCGGGAGTATCTCCCTGGGTAGGCAACAGGGCCCTGGCATGAGGGAAC CCAGACTCATGTCTTCCTGCCACAGGGCCAGCCGTGTCAGTATCTATGACAATGTCCCCAGCTCGCACCT GTATGCCAGCACAGGAGATCTGTTGGACCTGGAGAAAGACGGCCTCCTTCCACAGCTGGATGACATCCTA CAGCATGTCAATGGCATACAAGAGGTAGTGGATGACTGGTCAAAAAACATCTTACCCGAACTGCAAAGTC

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Protein Sequence:

>MR211650 protein sequence
Red=Cloning site Green=Tags(s)

MFSQVPRTPAAGCYYLNPLTPESQEMYLRFDQTARRSPYRMSRILARHHLVTKIQQEIEAKEACDWLRAA
GFPQYAQLYEDSQFPINIAAVKKDHDFLERDLVEPLCRRLNTLNKCASMRLDVNFQRKKGDDSDEEDLCI
SNKWTFQRTSRRWSRVDDLHTLFPVADRNGSPGGPRMRNTASSESVLTDLSEPEVCSIHSESSGGSDSRS
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KCHHEANKRGGMYLEDLDVLAGTALPDTSDQNHMHGFHSQENLVVHIPKDHKPGTFPKALSIESLSPTDN
SNGVNWRTGSISLGRQQGPGMREPRLMSSCHRASRVSIYDNVPSSHLYASTGDLLDLEKDGLLPQLDDIL
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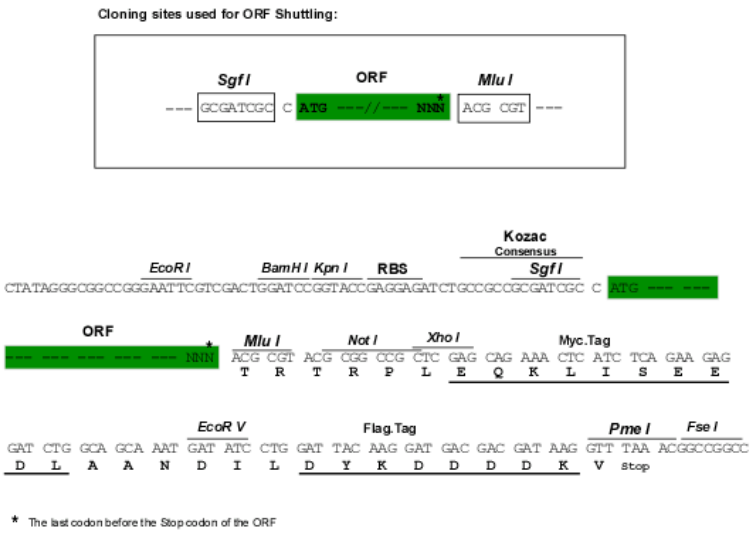
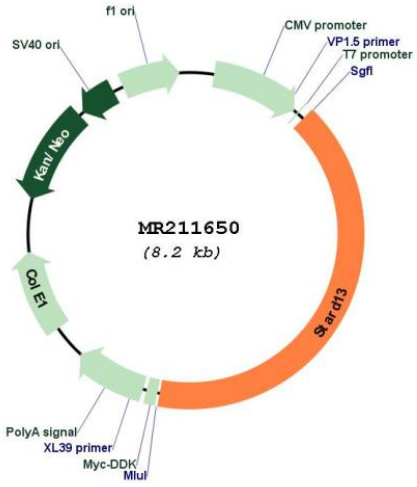
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_146258

ORF Size: 3339 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_146258.2, NP_666370.3
RefSeq Size:	5581 bp
RefSeq ORF:	3342 bp
Locus ID:	243362
UniProt ID:	Q923Q2
Cytogenetics:	5 G3
MW:	125.1 kDa
Gene Summary:	May function as a GTPase-activating protein.[UniProtKB/Swiss-Prot Function]