OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR213898

Gm11758 (NM_001097978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm11758 (NM_001097978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm11758
Synonyms:	OTTMUSG00000004013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR213898 representing NM_001097978
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGAGAGAAGATAACCGCGTCCAAAGTGTGAGGAGTGACAAAGAAGCCAATAGGAGGAGGAGGCTGA
GGCAGGAAGGCCAAAGTTCCTCAGGTCCGTGTGATAGCCCGTGGACTGAGGATGAAATCTGGATCTTGCT
GCAAGAGTGGGCAATGGTTGAATATGAACTCGGAGACCCAGGCAATAAGATGCATGCGAAGGCCAAGTCC
CTTAGCAGACGCCTCTCTAATCGGGGTCTGAGGAAGAGCAAGAATAGCTGTCTTGATGTGATGGTGAAGA
TGAAGGACCTGCACACACGTCTTTGTAACGAGAGGCCCAGGGCTTACCGCTTGTATTCGACTTATGAATG
GATCCTGTACGAGATCTTGGGCCACCCCAGATCCCAGGGAGGCTATGTGCCAGGTCTTTGGTTTGATGGG
CACAGTAAGCCACCAGCTTCCTATGCACCTTCCCTCTGCATTGGTGGTGCCATCTCTCCAGGCCCTTCCT
TTAGCCCATGGACCGACCCTGAAATCAAGATCTTCCTGCAGGAGTGGCAAGTGGTTGAACGGGAAATTGG
CCACCCAGGCCAGAAGATCAAGCAGAAGAGCAGTCTTGTTTGCCAGCGTCTCTATCATCGAGGCCTGTTC
AAGGACATCCAAAGCTGTTTGGACCTGATGTGGACCCTGAAGGATCTGCACTCCACTCTCAGTAGAGAGA
GATCAAGGACTGTACCCTTGTTTTCTCCTTATAGAGATTATCTGGAAAGGATCTTCGACCCCAAATGTCA
GAGAGGCCATGTTCCAGGTGCTCTGTATAATTGGTCTGGTTACCACAGGCCTTCCTCAAGCCCTCAAACT
CCAATGGTGATGCCATCTCCAGTATACCAGCCTTGGGATTATGGCATGTCTGCGTCTTCTGGTCAGCTTC
ATGGGAACCCATCACTGATCATGTCCAGTCAGGACTCACTGGTTCCCAGATGGGACGCCTGGAATGCCAC
CTATCCATTGCCAGTTCAACATGTACTTCTGGCCTCTCTCTCTGGAGACAACAACTTTCAGCTGGCGTGG
TCACCTCGTGATGAGAGCTCAAGTCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>MR213898 representing NM_001097978
Red=Cloning site Green=Tags(s)

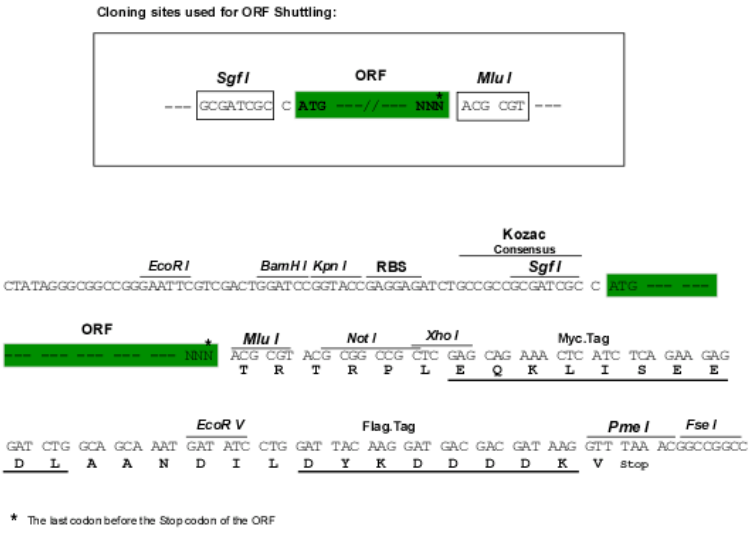
MQREDNRVQSVRSDKEANRRRRLRQEGQSSSGPCDSPWTEDEIWILLQEWAMVEYELGDPGNKMHAKAKS
LSRRLSNRGLRKSKNSCLDVMVKMKDLHTRLCNERPRAYRLYSTYEWILYEILGHPRSQGGYVPGLWFDG
HSKPPASYAPSLCIGGAISPGPSFSPWTDPEIKIFLQEWQVVEREIGHPGQKIKQKSSLVCQRLYHRGLF
KDIQSCLDLMWTLKDLHSTLSRERSRTVPLFSPYRDYLERIFDPKCQRGHVPGALYNWSGYHRPSSSPQT
PMVMPSPVYQPWDYGMSASSGQLHGNPSLIMSSQDSLVPRWDAWNATYPLPVQHVLLASLSGDNNFQLAW
SPRDESSSPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001097978

ORF Size: 1080 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_001097978.2, NP_001091447.2

RefSeq Size: 1325 bp

RefSeq ORF: 1083 bp

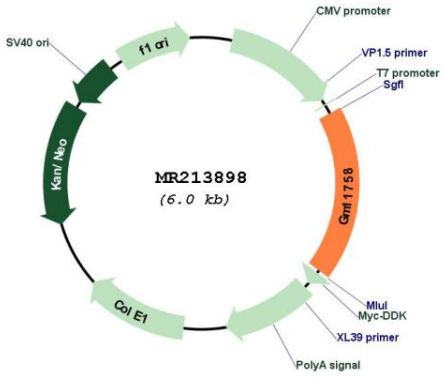
Locus ID: 545637

Cytogenetics: 4 C3

MW: 41.3 kDa

Gene Summary: This gene belongs to a family of related genes tandemly arranged in two clusters on chromosome 4. This family, which appears to be mouse-specific and composed of multiple highly similar members, is supported by limited transcript data. Members of the family maintain an intact open reading frame although the encoded protein has no known function. This gene is supported by transcript alignments. [provided by RefSeq, May 2013]

Product images:



Circular map for MR213898