

Product datasheet for **MG211508**

Skiv2l2 (NM_028151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skiv2l2 (NM_028151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Skiv2l2
Synonyms:	2610528A15Rik; mKIAA0052; Mtrex
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211508 representing NM_028151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACGCTTTCGGGGATGAGCTTTTCAGCGTTTTTCGAGGATGATTGACCTCTGCAGCAGGAGCCA
AGAAAGACAAAGAGAAAGAGAAATGGAAGGGGCCACCGGTCTGCAGACAAGGCCGGGAAACGACTGGA
TACCAATTACAATCAGAGTCAGCCAGTGGAGGGAAAAACAAAGAGATCTAGATGTTGAAGGCACTGAT
GAACCTATTTTGGCAAGAAGCCGAGAATAGAAGACTCAATTAATGAAGATTTAAGCCTGGCGGACCTGA
TGCCAGAGTCAAGGTACAGTCAGTGGAAACAGTTGAAGGCTGCACACATGAGGTGGCTCTTCCTGCAGA
TGAGGATTATATACCACTTAAACCTCGAGTTGGGAAGGCAGCAAAGGAATACCCATTATTCTTGATGCT
TTCCAAAGAGAAGCCATTCAAGTGTGTGATAATAACCACTCTGTGCTAGTATCTGCTCATACGTCAGCAG
GGAAGACCGTGTGTGCCGAGTATGCTATTGCATTGGCTTTAAGAGAAAAACAGCGTGTAATTTTACCAG
CCCTATTAAGGCTCTAAGTAATCAGAAATACCGTGAAATGTATGAAGAATTTCAAGATGTGGGACTGATG
ACTGGAGATGTTACTATTAATCCACAGCATCTTGCTGGTTATGACTACAGAGATTTTGAGAAGTATGC
TGTATAGAGGCTCTGAAGTTATGCGAGAAGTTGCTTGGGTCATATTTGATGAAATTCATTACATGAGAGA
TTCAGAGCGTGGTGTAGTATGGGAAGAACTATTATTTTGCTTCCAGATAATGTTCACTATGTCTTTCTT
TCGGCTACTATTCCAAATGCTCGACAGTTTGTGAATGGATTTGTCACCTACATAAACAGCCCTGTCATG
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CCTGGTGGTTGATGAAAATGGTGAATTCAGAGAAGATAATTTTAACTGCAATGCAAGTCTGCGGGAT
GCAGGTGATTTGGCCAAAGGAGACCAGAAGGGACGGAAAGGAGGAACAAAGGTCCATCAATGTGTTCA
AGATTGTGAAGATGATTATGGAGAGAAATTTCCAGCCTGTGATCATCTTCAGTTTCAGTAAGAAAGACTG
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CACTTTTGAAGCGGGGATTGGTATTACCATGGTGGCTTACTTCCTATTTTGAAGAACTATAGAAAT
TCTCTTTCTGAAGGATTGATAAAGGCCTATTTGCCACAGAGACTTTTGCTATGGGAATTAACATGCCA



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GCTAGAACTGTTTTATTTACAAATGCCCGTAAATATGACGGAAAGGACTTTAGATGGATTTCCTCTGGCG
 AGTACATCCAGATGTCTGGTCGTGCAGGAAGGAGAGGCATGGACGACAGAGGGATTGTGATTCTTATGGT
 AGACGAGAAGATGAGCCCACTATTGGAAGCAGCTGCTTAAGGGGTGAGCTGATCCTCTGAACAGTGCT
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 CAGGCCGTTTGGTAAAGGTGAAAAATGAAGGCGATGATTTCCGGCTGGGGAGTAGTAGTGAAGTTCTCAAA
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 AGCAAGGAAAGCCTGAAGAACTCAGCCACCGAGGCAGCAAGCCAGCGAAGCCAGACGAGAAAAGGGGAGA
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 CCTTCGACCTGTGGACAACAGACAGAGTGTCTTAAATCCATACAGGAAGTTCAAAGGCGCTTCCCGAC
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 AAGTAGAGGCCTTGAGCATCGCATGTACTCACACCCACTCCACAATGATCCTAACTTGAAAGCTGTTTA
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 GGAGATGATGTTCAATGGGCTTTTCAATGACCTTTCTCAGAGCAGGCAACCGCACTGTTAAGCTGTTTT
 GTGTTTCAAGAGAATTCTAGTGAGATGCCCAAATAACAGAGCAGTTAGCTGGACCACTCCGACAAATGC
 AGGAATGTGCTAAAAGGATTGCAAAAGTTTCAGCAGAGGCAAAGCTGGAGATTGATGAAGAACTTACCT
 AAGCTCATTCAAGCCTCACCTGATGGATGTGGTGTATACCTGGGCACTGGGGCCACATTTGCCCATATC
 TGCAAAATGACAGATGTTTTGAAGGCAGTATAATTGTTGTATGAGGCGTCTGGAAGAACTGCTTCGAC
 AGATGTGTCAAGCAGCAAAAGCCATTGGAACACAGAGCTGGAGAACAATTTGCTGAAGGAATTACCAA
 AATCAAGAGGGATATTGTATTTGCTGCCAGCCTCTACTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211508 representing NM_028151

Red=Cloning site Green=Tags(s)

MADAFGDELFSVFEDDSTSAAGAKKDKEKEKWKGPPTSADKAGKRLDTKLQSESASGGKNKRDLDVEGTD
 EPIFGKKPRIEDSINEDLSADLMPRVKVQSVETVEGCTHEVALPADEDYIPLKPRVGKAAKEYPFILDA
 FQREAIQCVDDNNQSVLVSHTSAGKTVCAEYAIALLREKQRVIFTSPIKALSNQKYREMYEEFQDVGLM
 TGDVTINPTASCLVMTTEILRSMLYRGSEVMREVAWVIFDEIHYMRDSERGVVWEETIILLPDNVHYVFL
 SATIPNARQFAEWICHHLKQPCVHIYTDYRPTPLQHYIFPAGGDLHLVVDENGDFREDNFNTAMQVLRD
 AGDLAKGDQKGRKGGTKGPSNVFKIVKMIMERNFQPVIIIFSFKKDCEAYALQMTKLDNFNTDEEKKMVEE
 VFNNAIIDCLSDDEKKLPQVEHVLPLLRGIGIHHGGLLPILKETIEILFSEGLIKALFATETFAMGINMP
 ARTVLFNTARKYDGKDFRWISSGEYIQMSGRAGRRGMDDRGIVILMVDEKMSPTIGKQLKGSADPLNSA
 FHLYTNMVLNLLRVEEINPEYMLEKSFYQFQHYRAIPGVVEKVKNSEEQYNKIVIPNEENVVIYYKIRQQ
 LAKLGKEIEEYIHKPKYCLPFLQPGRLVKVKNEGDDFGWGVVVFNSKKSNNKPNSGELDPLYVVEVLLRC
 SKESLKNSATEAAKPAKDEKGMQVVPVLVHLLSAISTVRLYIPKDLRPVDNRQSVLKSIEQVQRRFPD
 GVPLLDPIDDMGIQDQGLKKVIQKVEAFEHMYSHPLHNDPNLETVYTLCEKAQIALDIKSARELKKA
 RTVLQMDLCKRKRLRLGFATSSDVIEMKGRVACEISSADELLLTEMFNGLFNDLSSEQATALLSCF
 VFQENSSEMPKLTEQLAGPLRQMCECAKRIAKVSAEAKLEIDEETYLSSFKPHLMDVVYTWATGATFAHI
 CKMTDVFEGSIIRCMRRLLEELLRQMCQAAKAIGNTELENKFAEGITKIKRDIVFAASLYL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_028151

ORF Size: 3120 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.

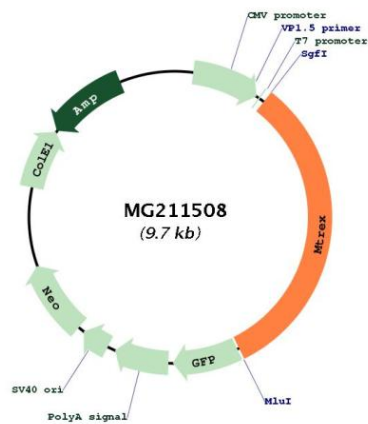
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028151.2](#), [NP_082427.1](#)

RefSeq Size: 3309 bp
 RefSeq ORF: 3123 bp
 Locus ID: 72198
 UniProt ID: [Q9CZU3](#)
 Cytogenetics: 13 D2.2

Gene Summary: Component of exosome targeting complexes. Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. Subunit of the trimeric poly(A) tail exosome targeting (PAXT) complex, a complex that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters. Associated with the RNA exosome complex and involved in the 3'-processing of the 7S pre-rRNA to the mature 5.8S rRNA. May be involved in pre-mRNA splicing. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211508