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Product datasheet for MR212951

Igsf9b (NM_001033323) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf9b (NM_001033323) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igsf9b
Synonyms:	Gm508; mKIAA1030
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR212951 representing NM_001033323
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTTGGTATGTGGCCACTTTGATAGCAAGTGTGATCAGCACCCGAGGTCTTGTGGCTCAAGGTGCCC
ACGGCCTGCGAGAGGAACCCGAGTTTGTGACTGCTCGAGCCGGCGAAGGTGTGGTTCTGCGATGCGACGT
AATCCACCCAGTGACAGGACAGCCCCCACCCTATGTTGTAGAGTGGTTCAAGTTTGGGGTCCCCATCCCT
ATCTTCATCAAGTTTGGCTACTATCCCCCACATGTGGACCCTGAGTATGCAGGCCGGGCCAGTCTTCATG
ATAAAGCATCTCTGCGGCTGGAGCAGGTGCGCTCTGAGGACCAGGGTTGGTACGAGTGCAAGGTACTCAT
GCTGGACCAGCAGTATGACACATTCCACAACGGCAGCTGGGTCCATCTCACCATTAACGCCCCTCCCACC
TTTACAGAAACACCCCCCCAGTACATCGAGGCCAAGGAAGGTGGAAGTATTACCATGACGTGTACTGCTT
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GGTGAGTGACGGTAGCCTAACGGTGACGTCAGTCAGTCGGGAGGACAGAGGCGCCTATACGTGTCGAGCA
TATAGCATCCAGGGTGAGGCTGTGCACACAACCCATCTGCTTGTTCAAGGGCCTCCCTTCATTGTTTCCC
CTCCTGAGAACATCACCGTCAACATCTCCCAGGATGCTCTGCTTACCTGCAGGGCAGAGGCGTATCCCGG
CAACCTCACCTACACCTGGTACTGGCAGGATGAGAACGTCTACTTCCAGAATGACCTGAAGCTAAGGGTG
CGGATCCTGATTGATGGGACACTGATCATCTTCCGAGTGAAGCCAGAGGATGCTGGGAAGTATACCTGTG
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CCTCAACATGCCCCCTGTAATTTATGTGCCCGTGGGAATCCATGGCTATATCCGCTGTCCTGTGGATGCA
GAGCCACCTGCTACTGTGGTGAAGTGGAATAAGGATGGCCGGCCCCTGCAGGTAGAGAAGAACTTGGGTT
GGACCTTGATGGAGGATGGCTCTATTCGCATTGAGGAGGCCACAGAGGAGGCTCTTGGCACTTACACCTG
TGTGCCTTACAACACCTTGGGGACTATGGGCCAGTCTGCCCCTGCACGGCTTGTCCTGAAGGACCCCCCG
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GCAGTGTCCGGGTCCATGTCTCCATGACAACTGCCAACGTGTCCTGGGAGCCGGGCTATGATGGAGGCTA
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GGGAGCGCTGGGAGATGCTGGATGACGCCATTCCAGGCACTGACGGAGATTTTTTTGCCAAGGATCTGTC
ACAGGATACCTGGTATGAATTCCGGGTTTTGGCTGTCATGCAGGATCTGATCAGCGAGCCCAGCAACATC
GCCGGTGTCTCCAGCACAGGTACTTTGGGTTCCAAGATCGTCAAACAGCAACCAGAAAGCAAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR212951 representing NM_001033323
Red=Cloning site Green=Tags(s)

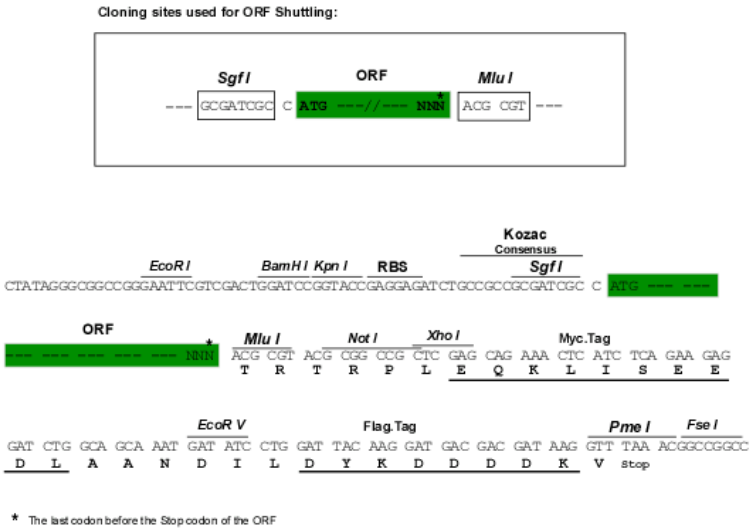
MIWYVATLIASVISTRGLVAQGAHGLREEPEFVTARAGEGVVLRCDVIHPVTGQPPPYVVEWFKFGVPIP
IFIKFGYYPPHVDPEYAGRASLHDKASLRLEQVRSEDQGWYECKVLMLDQQYDTFHNGSWVHLTINAPPT
FTETPPQYIEAKEGGSITMTCTAFGNPKPIVTWLKEGTLLGASAKYQVSDGSLTVTSVSREDRGAYTCRA
YSIQGEAVHTTHLLVQGPPFIVSPPENITVNISQDALLTCRAEAYPGNLTYTWYWQDENVYFQNDLKLRV
RILIDGTLIIFRVKPEDAGKYTCVPSNSLGRSPSASAYLTVQYPARVLNMPPVIYVPVGIHGYIRCPVDA
EPPATVVKWNKDGRPLQVEKNLGWTLMEDGSIRIEEATEEALGTYTCVPYNTLGTMGQSAPARLVLKDPP
YFTVLPGWEYRQEAGRELLIPCAAAGDPFPVITWRKVGKPSRSKHNALPSGSLQFRALSKEDHGEWECVA
TNVVTSITASTHLTVIGTSPHAPGSVRVHVSMTTANVSWEPGYDGGYEQTFSVWMKRAQFGPHDWLSLSV
PPGPSWLLVDSLEPETAYQFSVLAQNRLGTSAFSEVVTVNTLAFPVTTPEPLVLVTPPRCLTANRTQQGV
LLSWLPPANHSFPIDRYIMEFRVGERWEMLDDAIPGTDGDFFAKDLSQDTWYEFRVLAVMQDLISEPSNI
AGVSSTGTLGSKIVKQQPESKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

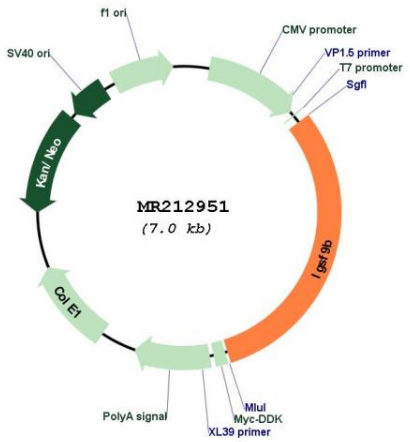


ACCN: NM_001033323

ORF Size: 2166 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001033323.3, NP_001028495.2
RefSeq Size:	2857 bp
RefSeq ORF:	2169 bp
Locus ID:	235086
Cytogenetics:	9 A4
MW:	80.3 kDa
Gene Summary:	Transmembrane protein which is abundantly expressed in interneurons, where it may regulate inhibitory synapse development (By similarity). May mediate homophilic cell adhesion (PubMed:23751499).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212951