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# Product datasheet for MC224248

## Igsf9b (NM_001129787) Mouse Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | Igsf9b (NM_001129787) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Igsf9b |
| **Synonyms:** | AI414108; AI854107; Gm508; mKIAA1030 |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Cell Selection:** | Neomycin |
| **Fully Sequenced ORF:** | >MC224248 representing NM_001129787<br>Red=Cloning site Blue=ORF Orange=Stop codon<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGATTTGGTATGTGGCCACTTTGATAGCAAGTGTGATCAGCACCCGAGGTCTTGTGGCTCAAGGTGCCC<br>ACGGCCTGCGAGAGGAACCCGAGTTTGTGACTGCTCGAGCCGGCGAAGGTGTGGTTCTGCGATGCGACGT<br>AATCCACCCAGTGACAGGACAGCCCCCACCCTATGTTGTAGAGTGGTTCAAGTTTGGGGTCCCCATCCCT<br>ATCTTCATCAAGTTTGGCTACTATCCCCCACATGTGGACCCTGAGTATGCAGGCCGGGCCAGTCTTCATG<br>ATAAAGCATCTCTGCGGCTGGAGCAGGTGCGCTCTGAGGACCAGGGTTGGTACGAGTGCAAGGTACTCAT<br>GCTGGACCAGCAGTATGACACATTCCACAACGGCAGCTGGGTCCATCTCACCATTAACGCCCCTCCCACC<br>TTTACAGAAACACCCCCCCAGTACATCGAGGCCAAGGAAGGTGGAAGTATTACCATGACGTGTACTGCTT<br>TCGGGAACCCTAAGCCCATCGTCACCTGGCTCAAGGAAGGGACCCTCCTCGGTGCTAGTGCAAAGTATCA<br>GGTGAGTGACGGTAGCCTAACGGTGACGTCAGTCAGTCGGGAGGACAGAGGCGCCTATACGTGTCGAGCA<br>TATAGCATCCAGGGTGAGGCTGTGCACACAACCCATCTGCTTGTTCAAGGGCCTCCCTTCATTGTTTCCC<br>CTCCTGAGAACATCACCGTCAACATCTCCCAGGATGCTCTGCTTACCTGCAGGGCAGAGGCGTATCCCGG<br>CAACCTCACCTACACCTGGTACTGGCAGGATGAGAACGTCTACTTCCAGAATGACCTGAAGCTAAGGGTG<br>CGGATCCTGATTGATGGGACACTGATCATCTTCCGAGTGAAGCCAGAGGATGCTGGGAAGTATACCTGTG<br>TCCCTAGCAACAGCCTGGGGCGCTCCCCCTCTGCCTCAGCATACCTGACTGTGCAGTACCCAGCCCGTGT<br>CCTCAACATGCCCCCTGTAATTTATGTGCCCGTGGGAATCCATGGCTATATCCGCTGTCCTGTGGATGCA<br>GAGCCACCTGCTACTGTGGTGAAGTGGAATAAGGATGGCCGGCCCCTGCAGGTAGAGAAGAACTTGGGTT<br>GGACCTTGATGGAGGATGGCTCTATTCGCATTGAGGAGGCCACAGAGGAGGCTCTTGGCACTTACACCTG<br>TGTGCCTTACAACACCTTGGGGACTATGGGCCAGTCTGCCCCTGCACGGCTTGTCCTGAAGGACCCCCCG<br>TACTTCACGGTGCTACCAGGCTGGGAATACAGGCAGGAGGCTGGCCGGGAGCTGCTCATTCCCTGTGCAG<br>CTGCAGGGGACCCCTTCCCTGTCATCACCTGGAGGAAGGTAGGGAAGCCCAGCAGAAGCAAGCACAACGC<br>ACTGCCCAGCGGGAGTCTCCAGTTTCGTGCCCTGAGTAAGGAGGACCACGGGGAGTGGGAATGTGTTGCC<br>ACCAATGTGGTCACAAGCATCACTGCCAGCACCCACCTCACTGTCATCGGCACCAGTCCCCATGCCCCAG |



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GCAGTGTCCGGGTCCATGTCTCCATGACAACTGCCAACGTGTCCTGGGAGCCGGGCTATGATGGAGGCTA
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CACCCTGCAGCCGCCAGCTGCGGTCAGCTTCTCTCGAAAGTCAACACCATCATCCACGGGATCTCCTTCG
CAGAGCAGCCGCAGTGGGAGCCCCAGCTACAGGCCCACAATGGGCTTCACTACTCTGGCCACGGGCTACC
CTTCTCCTCCACCTGGCCCTGCCCCTCCGGCACCAGGGGACACCTTGGATGTGTTTGGACAGACGCCTTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001129787

**Insert Size:** 3987 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001129787.1, NP_001123259.1 |
| **RefSeq Size:** | 4239 bp |
| **RefSeq ORF:** | 3987 bp |
| **Locus ID:** | 235086 |
| **UniProt ID:** | E9PZ19 |
| **Cytogenetics:** | 9 A4 |
| **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]<br>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. |