

Product datasheet for **MC223849**

Igsf9 (NM_001145800) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igsf9 (NM_001145800) Mouse Untagged Clone
Tag: Tag Free
Symbol: Igsf9
Synonyms: 644ETD8; Dasm1; Kiaa1355-hp; mKIAA1355; NcamI; NRT1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223849 representing NM_001145800
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATTTGGTGTCTCCGTCGACCGTCCTCAGCCTGATCATCAGCCAGGGGGCTGACGGTCAAGAAAGC
CTGAGGTGGTCTCTGTGGTGGGCGGGCTGGGAGAGTGCAGTGTGGGCTGTGACTTGTGCCTCCAGC
TGCCACCCCTCTGCATGTCATCGAGTGGCTGCGCTTTGGATTCTGTCTCCATCTTCATCCAGTTC
GGCCTCTACTCTCCCGAATTGACCCGATTACGTGGGACGAGTCCGGCTGCAGACAGGAGCATCTCTCC
AGATTGAGGGGCTCCGGGTGGAAGACCAGGGTTGGTACGAGTGCCGTGTGCTCTTCTGGACCAACACAG
CCCTGAACAGGATTTTGCCAACGGCTCCTGGGTGCACCTGACAGTCAATTCGCCCCCTCAGTTCAGGAG
ACACCTCCCTTAGTTCTGGAAGTCAAGGAGCTGGAGGCGGTTACCTTGCCTGTGTGGCCGTGGCAGCC
CTCAGCCTTATGTGACTTGAAATTCGAGGACAAGACCTTGGCAAGGGCCAGGGTCAGGTGCAAGTGCA
GAATGGAACACTGTGGATCCGTCGGGTGGAGCGAGGCAGCGCTGGAGACTACACCTGCCAAGCCTCCAGC
TCCGAGGGCAGCATCACCCAGCCACCCAGCTGTTGGTGTAGGACCCCTGTATTGTGGTGGCCCCCA
GCAACAGTACAGTCAACTCCTCTCAGGATGTTTCCTTGGCCTGCCGGGCTGAGGCATACCTGCTAACCT
CACCTACAGTGGTCCAGGATGGTGTCAATGTCTTCCATATCAGCCGCTTACAGTCTCGAGTCCGATC
CTGGTAGACGGGAGCCTGTGGCTACAAGCCACTCAGCCTGATGACGCCGGCCACTATACCTGTGTTCCCA
GCAATGGCTTTCTGCATCCACCGTCAGCTTCTGCCTATCTCACTGTGCTTACCCAGCCCAGGTGACAGT
CATGCCTCCCAGACACCCCTGCCACTGGCATGCGTGGGGTGATCCGGTGTCCGGTTCGTGCTAATCCC
CCACTACTGTTTGTACCTGGACAAAGACGGACAGGCCCTGCAGCTGGACAAGTCCCTGGCTGGTCCC
TGGGCCCAGAAGGTTCCCTCATATTGCCCTGGGAATGAGAATGCCTGGGAGAATACTCTGCACCCC
CTACAACAGTCTTGGTACTGCTGGACCCCTCCCTGTGACCCAGGTGCTGCTCAAGGCTCCCCGGCTTTT
ATAGACCAGCCAAGGAAGAATATTTCCAAGAAGTAGGGCGGGAGCTACTCATCCCGTGTCCGCCCGGG
GAGACCCTCCTCCTATTGTCTCTTGGGCCAAGGTGGGCCGGGGCTGCAGGGCCAGGCCAGGTGGACAG
CAACAACAGCCTCGTCTTCGACCCCTGACCAAGGAGGCCAGGGACGATGGGAATGCAAGTCCAGCAAT
GCTGTAGCCCGTGTGACCACTTCCACCAATGTATATGTGCTAGGCACCAGCCCCATGCTGTCCACCAATG



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TGTCTGTGGTACCTTTACCCAAGGGTGCCAATGTCTCTTGGGAGCCTGGCTTTGATGGTGGCTATCTGCA
 GAGATTCAAGTGTCTGGTATACCCCACTAGCCAAGCGTCTGACCGAGCCCACCATGACTGGGTATCTCTG
 GCTGTGCCTATCGGGGCTACACACCTCCTAGTGCCAGGGCTGCAGGCTCACGCGCAGTATCAGTTCAAGT
 TCCTTGCTCAGAAATAAAGTGGGAGTGGGCCCTCAGTGAGATTGCTCTGTATACCAGAAGGGCTTCC
 TACCACACCGGCTGCCCTGGGCTTCTCCAACAGAGATACCACCTCCCCTGTCCCCTCTAGAGGTTTG
 GTGGCAGTGAGGACACCCCGGGGACTTCTGCATTGGGATCCCCAGAAGTATCCCTGGGAGGCTGG
 ATGGCTACATCCTGGAGGACGGCAAGGCTCCCAAGGCTGGGAGATCCTGGACCAAGGTGGCGGGCAC
 AGAAATCCAGCTGCTGGTGCCTGGCCTCATCAAGGACGTTCTCTATGAGTTTCGCCTCGTGGCCTTCGCT
 GATAGCTACGTACGTGACCCAGCAACGTAGCCAACATCTCCACTTCCGGCCTGGAGGTGTACCCCTCCC
 GCACACAGCTACCAGGTCTCCTGCCCCAGCCTGTATTGGCTGGTGTGGGGTGGAGTCTGCTTCTTGGG
 CGTGGCGGTCTTGTGAGCATCTAGCTGCCTGCCTGATGAATCGGCGCAGGGCTGCCGACGCCACCGA
 AAACGTCTGCGCCAGGATCCGCCTCTGATCTTCTCCACGTGGGAAAGTCAAGGCTCACACTCTGCTCCTG
 GCTCAGGCAGCCCTGACAGCGTGACCAAGTTCAAGCTCCAAGGCTCCCAGTTCCCAGCCTACGCCAGAG
 TCTGCTCTGGGGGAGCCTGCTCGACCGCTAGCCCTACCCGGATTCTCCACTTGGCCGGGACCCCTTA
 CCATTAGAGCCATTTGCAGGGGCCAGATGGGCGCTTTGTGATGGGACCACTGTGGCCCCCTACAAG
 AAAAGTTATGTCTGGAGCGCTCAGAACCTCGGACCTCAGCTAAACGCTTGGCTCAGTCTTTGACTGTAG
 CAGTAGACGCCCCAGTGGGGTCCACAACCCCTCTGCATTACAGACATCAGCCCTGTGGGGCAGCCTCTT
 GCAGCCGTGCCTAGCCCCCTACCAGGTCCAGGACCCCTGCTCCAGTATCTGAGCCTACCCTTCTCCGAG
 AGATGAATGTGGACGGGGACTGGCCACCTTTGAGGAGCCACGCTGCTCCGCCTCCAGATTTTCATGGA
 TAGTCAGCCCTGTCCACCTCATCTTCCCTTCCACCACAGACTCACCTCTGCAATCTCAGGGCAGTG
 CTCTCTGGGACTGATGGGGTTCGGGGTCTCCTCAGAGCCCCCTACACAGCTTTGGCTGATTGGACTG
 TGAGGGAGCGGTCTTGGCGGCCTTCTTCTGCTGCCCTCGTGGTGCCTCACCAGCCAGAGCAGTGG
 GAGGGGACGCGCTCCTTCTGCGCCCTCCCTCCACAGCCCCCTCCGAGGGGGAAGTACCTCAGTCCA
 GCTCCAGGAGACACAAGCAGCTGGGCCAGTGGCCAGAAAGGTGGCCCCGAGGGAGCATGTGGTGACAG
 TCAGAAAAGGAGGAACCTCTGTGGATGAGAACTATGAATGGGATTCCGAATTCAGGGGACATGGA
 GCTGCTAGAGACCTGGCACCAGGCTTGGCCAGTTCTCGGACCCATCCTGAACTTGAAGCAGAGTTAGGT
 GTCAAGACTCCAGAGGAGAGCTGTCTCCTGAACCAACCCATGCTGCCGGCCCCGAGGCCCGCTGTGCTG
 CCCTTCGGGAGGAATTCCTAGCTTTCGCGACAGCAGGGATGCTACCAGGGCCCCGCTACCAGCCTATCA
 GCAGTCCATCTTACCCTGAACAGGCTACTCTGCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001145800
- Insert Size:** 3540 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).

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_001145800.1](#), [NP_001139272.1](#)

RefSeq Size: 4153 bp

RefSeq ORF: 3540 bp

Locus ID: 93842

UniProt ID: [Q05BQ1](#)

Cytogenetics: 1 79.86 cM

Gene Summary: Functions in dendrite outgrowth and synapse maturation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.