

## Product datasheet for **MC220873**

### Unc5a (BC058084) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Unc5a (BC058084) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc5a
Synonyms:	mKIAA1976; Unc5h1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC058084  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCGTCGGCCCGGCTGTGGCCAGCGCTCCTGGGCATAGTCTCACTGCCTGGCTTCGTGGTTCGG  
 GTGCCACGAGAGTGCCACAGTGGCCAACCCAGTGCCTGGTGCCAACCCGGACCTGCTGCCCACTTCTCT  
 GGTAGAGCCGGAGGACGTGTACATTGTCAAGAACAAGCCCGTGTCTGGTGTGCAAGGCTGTGCCCGCC  
 ACCCAGATCTTCTCAAGTGCAACGGGAATGGGTTCCGCCAGGTCGATCACGTCATTGAACGCAGCACTG  
 ACGGCAGCAGCGGATTGCCAACCATGGAGTCCGGATCAACGTATCAAGGCAGCAGGTCGAGAAAGTGT  
 TGGGCTGGAGGAGTACTGGTCCAGTGTGTGGCATGGAGTCTCTCAGGAACCACAAAAGCCAGAAGGCC  
 TACATCCGGATTGCCTATTTGCGCAAGAACTTTGAGCAGGAGCCGCTGGCCAAGGAAGTGTCACTGGAGC  
 AAGGCATTGTGCTACCTGTGCCCCCGGAAGGAATCCCCCAGCTGAGGTGGAGTGGCTCCGAAATGA  
 GGACCTCGTGGACCCCTCCCTCGACCCCAATGTGTACATCACACGGGAGCACAGCCTAGTCGTGCGGCAG  
 GCCCGCCTGGCCGACACTCCCAACTACACTGCGTGGCCAAGAACATCGTGGCCCGTCCGGAAGCGCCT  
 CTGCGGCCGTCATTGTTTATGTGGATGGGAGCTGGAGCCCATGGAGTAAGTGGTCAGCCTGCGGGCTTGA  
 CTGCACCCACTGGCGGAGCCGGGAGTGTCCGACCCAGCGCCCGCAACGGAGGTGAGGAGTGGCGGGGT  
 GCTGACCTGGACACCCGCAACTGTACCAGTACCTCTGCTGCACACCTTCCGGCCCCGAGGACGTGG  
 CTCTCTACATCGGCCTCGTCGCGGTGGCCGTGTGCCTCATCTTGTGTGCTGGTCTCGTCTCATCTA  
 CTGCCGAAGAAGGAAGGACTGGACTCAGACGTGGCTGACTCATCCATCCTTACCTCAGGCTTCCAGCCT  
 GTCAGCATCAAGCCAGCAAAGCAGACAATCCCCATCTGCTCACCATCCAACCCGACCTCAGCACCACCA  
 CGACACTACCAGGGCAGCCTGTGTCCCCGGCAGGATGGACCCAGCCCCAAGTTCAGCTCTCTAATGG  
 TCACCTGCTCAGCCCACTGGGCAGTGGCCGCCATACGCTGCACCACAGCTCCCCACCTCTGAGGCTGAG  
 GACTTCGTCTCCCGCCTCTCCACCCAAAACACTTTTCGTTCTCTGCCCGCGGTACCAGCAACATGGCCT  
 ATGGGACCTTCAACTTCCCTCGGGGGCCGGCTGATGATCCCTAACACAGGAATCAGCCTCCTCATACCCCC  
 GGACGCCATCCCCGAGGAAAGATCTACGAGATCTACCTCACTCTGCACAAGCCAGAAGAGCTGAGGTTG  
 CCCCTAGCTGGCTGTGAGCCCTGCTGAGTCTATCGTTAGCTGTGGGCCCCAGGAGTCTGCTCACCC  
 GGCCAGTCATCCTTGCCATGGACACTGCGGGGAGCCAGTCCCGACAGCTGGAGCCTGCGCCTCAAAAA  
 GCAGTCTGTGAGGGCAGCTGGGAGGACGTGCTGCACCTTGGTGAGGAGTCGCCCTCTCATCTACTAC  
 TGCCAGCTGGAGGCCGGGCCTGCTATGTCTTTACCGAGCAGCTAGGCCGCTTTGCCCTGGTGGGAGAGG  
 CCCTCAGCGTGGCTGCCACCAAGCGCCTCAGGCTCCTTCTGTTTGCCCTGTGGCCTGTACGTCCCTCGA  
 GTACAACATCCGAGTGTACTGCCTGCACGACACCCACGATGCTCTCAAGGAGGTGGTGCAGCTGGAGAAG  
 CAGCTGGGTGGACAGCTGATCCAGGAGCCCGTGTCTGCACTTCAAAGACAGTTACCACAACCTACGTC  
 TGTCCATCCACGAGCTGCCAGCTCCCTGTGGAAGAGCAAGCTCCTTGTGAGTACCAGGAGATCCCTTT  
 TTACCACATCTGGAATGGCACTCAGCAGTATCTGCACTGCACCTTACCCTGGAGCGCGTCAATGCCAGC  
 ACCAGCGACCTGGCCTGCAAGGTGTGGGTGTGGCAGGTGGAGGAGATGGACAGAGCTTCAACATCAACT  
 TTAACATCACTAAGGACACGAGGTTTGTGAAATGCTGGCTCTGGAGAGTGAAGGGGGGTCCCAGCCCT  
 GGTGGGCCCCAGTGCCCTCAAGATCCCCCTCCTCATTGGCAAAAAGATCATTACCAGCTGGACCCACCC  
 TGCAGCCGGGGCCGACTGGCGAACTTAGCCCAAGAACTTACCTGGACAGCCATCTTAGCTTCTTTG  
 CCTCAAGCCAGCCCTACAGCCATGATCCTCAACCTATGGGAGGCGCGCACTTCCCCAACGGCAACCT  
 CGGCCAGCTGGCCGAGCTGTGGCCGACTGGCCAGCCAGATGCTGGCCTTTACCCTGTGAGAGGCC  
 GAGTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** BC058084  
**Insert Size:** 2529 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC058084</a> , <a href="#">AAH58084</a>
<b>RefSeq Size:</b>	3844 bp
<b>RefSeq ORF:</b>	2528 bp
<b>Locus ID:</b>	107448
<b>Cytogenetics:</b>	13 B1
<b>Gene Summary:</b>	Receptor for netrin required for axon guidance. Functions in the netrin signaling pathway and promotes neurite outgrowth in response to NTN1. Mediates axon repulsion of neuronal growth cones in the developing nervous system in response to netrin. Axon repulsion in growth cones may be mediated by its association with DCC that may trigger signaling for repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.[UniProtKB/Swiss-Prot Function]