

Product datasheet for **MC222850**

Unc5d (NM_153135) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc5d (NM_153135) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc5d
Synonyms:	D930029E11Rik; mKIAA1777; Unc5h4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222850 representing NM_153135
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACAGGGGCTGCAGACGGCAGCCGCGGGCGCCGGTGGCTCCCATGGCTAGGACTCTTTTTCT
 GGGCGCGGGGGCTGCGGCTGCCGAGGAGCCGATGGCAGTGAAATTCCTCCGACTCTATCCCATCTGC
 CCCTGGAACGCTGCCTCATTTCATCGAGGAGCCCGAAGATGCATACATCATCAAGAGCAACCCGATTGCA
 CTCAGGTGCAAAGCAAGGCCAGCCATGCAGATCTTCTTCAAATGCAATGGGGAGTGGGTCCATCAGAATG
 AACATGTGTCCGAGGAGAGCCTGGATGAGAGCTCAGGCTTGAAGGTCCGGGAAGTGTATCAATGTCAC
 CAGGCAGCAAGTGGAGGACTTCCATGGCCAGAGGACTACTGGTGCCAGTGTGTAGCGTGGAGCCACCTG
 GGAACGTCCAAGAGTAGGAAGGCATCTGTGCGCATAGCCTATTTACGAAAAACTTTGAACAAGATCCAC
 AAGGCAGGGAGGTTCCTATTGAAGGCATGATCGTGCTGCATTGTCGCCCCCAGAGGGAGTTCAGCAGC
 AGAGGTGGAATGGCTGAAAAATGAGGAGCCATCGACTCCGAACAGGATGAGAACATTGACACCAGGGCT
 GACCATAAATTGATCATCAGACAGGCCCGCTGTGAGACTCAGGGAATTACACCTGTATGGCAGCCAACA
 TCGTGGCCAAGAGGAGGAGCCTCTCAGCAACTGTGGTGGTCTACGTGAATGGAGGCTGGTCTTCCTGGAC
 AGAGTGGTCAGCCTGCAATGTTGCTGTGGTAGAGGATGGCAGAAAACGTTCCCGGACCTGCACCAACCCC
 GCTCCTCTCAATGGTGGGGCCTTTTGTGAGGGAATGTCAGTGCAGAAAAAACCTGCAGCTGCTTTTGTG
 CTGTGGATGGCAGCTGGGAAGTGTGGAGTGAATGGTCAGTCTGCAGCCCAGAGTGTGAACATCTTCGTAT
 CCGTGAGTGCACAGCTCCACCCCAAGAAATGGGGCAAGTTCGTGAAGTCTCAGCCAGGAATCTGAA
 AACTGCACAGATGGTCTCTGCATTCTAGATAAAAAACCTTTCATGAAATAAAACCCCAAGATGGAGTA
 GGAGAGGCATTGAGAATGCCAGCAGCATTTGCTTTGTAAGTCTGAGTGGTGGTGCAGCCGTTAGCTGTTGC
 GGTCCTGGTCATTGGTGTACCCCTCTACAGAGCCAGCCAGTACTACGGAGTGGATGTCAATTGACTCT
 TCTGCATTGACAGGTGGCTTCCAGACCTTCAACTTCAAAACAGTTCGTCAGGAAATTTCTACTACTGA
 ATCCTGCCATGCAGCCAGATCTGACTGTGAGCCGGACATACAGCGGGCCCATCTGTCTGCAGGATCCGCT
 CGACAAGGAGCTCATGACAGAGTCTCACTCTTCAATCCTTTATCTGACATCAAAGTCAAAGTCCAGAGC
 TCATTTATGGTTTCCCTGGGAGTGTCTGAGAGAGCGGAGTACCATGGCAAGAATCACTCGGGGACTTTCC
 CCCATGGAACAACCGCGGATTCAGTACAATACATCCCAGAAAACAAAACGCCGTACATCCAAAATCTGTC
 ATCACTGCCGACAAGGACAGAGCTGAGGACAACGGTGTCTTTGGCCATTTAGGGGGACGCTTAGTAATG
 CCAAAATACAGGGGTGAGTCTACTCATACCACATGGTGCCATCCCAGAGGAGAATTTCTGGGAGATTTATA
 TGTCAATCAACCAAGGTGAACCGAGCCTGCAGTCAAGTGGATCTGAGGTTCTCCTGAGTCCGAAGTCCAC
 CTGTGGGCTCCAGATATGCTTGTGCAACTCCCTTTGCGCTGACCATCCCTCACTGTGCAGACGTCAGT
 TCAGAGCACTGGAACATTCACCTGAAGAAGAGGCCAGCAGGGGAAGTGGGAGGAAGTGTGTCAGTGG
 AGGATGAGTCCACATCCTGTTACTGCCTCTTGGATCCCTTTGCTGTACGTGCTGCTTGTAGCTTTGG
 AACGTATGCCCTCACAGGAGAGCCAATCACAGACTGTGCCGTAAGCAGCTCAAGGTGGCTGTGTTTGGC
 TGCATGTCCTGTAACCTTGGATTACAACCTGAGAGTTACTGTGTGGACAATACTCCTTGTGCATTTT
 AGGAAGTATTTCTGACGAACGGCACCAAGGCGCCAGCTCCTGGAAGAACCAAGCTGCTGCATTTCAA
 AGGAATACATTCAGTCTCCAGTCTCTGTCTTGACATCCCTCCCTTCTGAGGATCAAACCGTTT
 ACTGCATGCCAGGAAGTCCCCTTCTCCGAGTGTGGAGCAGCAACCGGAGCCCTGCAGTGTGCCTTCT
 CCCTGGAGCGCTACAGCCCACCACCAGCTGTCTGCAAAAATCTGCATTGCGCAGCTCAAAGGCCA
 TGAACAGATCCTCCAAGTGCAGACATCCATCCTAGAGAGTGAACGAGAAACCATCACTTTCTTCGCACAA
 GAGGACAGTACCTTCTGCACAGACTGGCCAAAAGCCTTCAAATTCCTATTCCATCAGACAGAGGA
 TCTGCGCCAGTTTGTATACCCAAATGCCAAAGGCAAGGACTGGCAGATGTTAGCACAGAAGAACAGCAT
 CAATAGGAATTTATCATATTTGCTACCCAAAGCAGCCCTTCCGCTGTCAATTTGAACCTCTGGGAAGCT
 CGTCATCAGCAGGATGGGACCTCGACTCGCTCGCCTGTGCCCTTGAGGAGATTGGGAGGACACACAGCA
 AACTATCCAACATCACAGAGCCACAGATTGATGATGCTGACTTCAACTACAGCAGGCAAAATGGACTCTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_153135
Insert Size:	2871 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:	<ol style="list-style-type: none">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:	<u>NM_153135.3</u> , <u>NP_694775.1</u>
RefSeq Size:	9220 bp
RefSeq ORF:	2871 bp
Locus ID:	210801
UniProt ID:	<u>Q8K1S2</u>
Cytogenetics:	8 A2- A3
Gene Summary:	<p>Receptor for the netrin NTN4 that promotes neuronal cell survival (PubMed:21216843). Plays a role in cell-cell adhesion and cell guidance. Receptor for netrin involved in cell migration (By similarity). Plays a role in the regulation of neuronal cell migration in the developing brain via its interaction with FLRT2 (PubMed:21673655). Plays a role in axon guidance by mediating axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding (PubMed:21673655). May play a role in apoptosis in response to DNA damage. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (By similarity). Mediates cell-cell adhesion via its interaction with FLRT3 on an adjacent cell (PubMed:26235030).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.</p>