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Product datasheet for SC330300

CHL1 (NM_001253387) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: CHL1 (NM_001253387) Human Untagged Clone

Tag: Tag Free

Symbol: CHL1

Synonyms: CALL; L1CAM2

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC330300 representing NM_001253387.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGCCGCTTTTACTTGGAAGAGGACTAATCGTATATCTAATGTTCCTCCTGTTAAAATTCTCAAAA
GCAATTGAAATACCATCTTCAGTTCAACAGGTTCCAACAATCATAAAACAGTCAAAAGTCCAAGTTGCC
TTTCCCTTCGATGAGTATTTTCAAATTGAATGTGAAGCTAAAGGAAATCCAGAACCAACATTTTCGTGG
ACTAAGGATGGCAACCCTTTTTATTTCACTGACCATCGGATAATTCCATCGAACAATTCAGGAACATTC
AGGATCCCAAACGAGGGGCACATATCTCACTTTCAAGGGAAATACCGCTGCTTTGCTTCAAATAAACTG
GGAATCGCTATGTCAGAAGAAATAGAATTTATAGTTCCAAGTGTTCCAAAATTCCCAAAAGAAAAAATT
GACCCTCTTGAAGTGGAGGAGGGAGATCCAATTGTCCTCCCATGCAATCCTCCCAAAGGCCTCCCACCT
TTACACATTTATTGGATGAATATTGAATTAGAACACATCGAACAAGATGAAAGAGTATACATGAGCCAA
AAGGGAGATCTATACTTCGCAAACGTGGAAGAAAAGGACAGTCGCAATGACTACTGTTGCTTTGCTGCA
TTTCCAAGATTAAGGACTATTGTACAGAAAATGCCAATGAAACTAACAGTTAACAGTTCAAATTCCATC
AAGCAAAGAAAACCCAAACTGCTGTTGCCTCCCACTGAGAGTGGCAGTGAGTCTTCAATTACCATCCTC
AAAGGGGAAATCTTGCTGCTTGAGTGTTTTGCTGAAGGCTTGCCAACTCCACAGGTTGATTGGAACAAA
ATTGGTGGTGACTTACCAAAGGGGAGAGAAACAAAAGAAAATTATGGCAAGACTTTGAAGATAGAGAAT
GTCTCCTACCAGGACAAAGGAAATTATCGCTGCACAGCCAGCAATTTCTTGGGAACAGCCACTCACGAT
TTTCACGTTATAGTAGAAGAGCCTCCTCGCTGGACAAAGAAGCCTCAGAGTGCTGTGTATAGCACCGGA
AGCAATGGCATCTTGTTATGTGAGGCTGAAGGAGAACCTCAACCCACAATCAAGTGGAGAGTCAATGGC
TCCCCAGTTGACAATCATCCATTTGCTGGTGATGTTGTCTTCCCCAGGGAAATCAGTTTTACCAACCTT
CAACCAAATCATACTGCTGTGTACCAGTGTGAAGCCTCAAATGTCCATGGAACTATCCTTGCCAATGCC
AATATTGATGTTGTGGATGTCCGTCCATTGATACAAACCAAAGATGGAGAAAATTACGCTACAGTGGTT
GGGTACAGTGCTTTCTTACATTGCGAGTTCTTTGCTTCACCTGAGGCAGTCGTGTCCTGGCAGAAGGTG
GAAGAAGTGAAACCCCTGGAGGGCAGGCGGTATCATATCTATGAAAATGGCACATTGCAGATCAACAGA
ACCACCGAAGAAGATGCTGGGTCTTACTCATGTTGGGTAGAAAATGCTATAGGAAAAACTGCAGTCACA
GCCAATTTGGATATTAGAAATGCTACAAAACTTAGAGTTTCTCCTAAGAATCCTCGTATCCCCAAATTG
CATATGCTTGAATTACATTGTGAAAGCAAATGTGACTCACATTTGAAACACAGTTTGAAGTTGTCCTGG
AGTAAAGATGGAGAAGCCTTTGAAATTAATGGCACAGAAGATGGCAGGATAATTATTGATGGAGCTAAT
TTGACCATATCTAATGTAACTTTAGAGGACCAAGGTATTTACTGCTGTTCAGCTCATACTGCTCTAGAC
AGTGCTGCCGATATAACTCAAGTAACTGTTCTTGATGTTCCGGATCCACCAGAAAACCTTCACTTGTCT
GAAAGACAGAACAGGAGTGTTCGGCTGACCTGGGAAGCTGGAGCTGACCACAACAGCAATATTAGCGAG

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TATATTGTTGAATTTGAAGGAAACAAAGAAGAGCCTGGAAGGTGGGAGGAACTGACCAGAGTCCAAGGA
AAGAAAACCACAGTTATCTTACCTTTGGCTCCATTTGTGAGATACCAGTTCAGGGTCATAGCCGTGAAC
GAAGTAGGGAGAAGTCAGCCTAGCCAGCCGTCAGACCATCATGAAACACCACCAGCAGCTCCAGATAGG
AATCCACAAAACATAAGGGTTCAAGCCTCTCAACCCAAGGAAATGATTATAAAGTGGGAGCCTTTGAAA
TCCATGGAGCAGAATGGACCAGGCCTAGAGTACAGAGTGACCTGGAAGCCACAGGGAGCCCCAGTGGAG
TGGGAAGAAGAAACAGTCACAAACCACACATTGCGGGTGATGACGCCTGCTGTCTATGCCCCTTATGAT
GTCAAGGTCCAGGCTATCAATCAACTAGGATCTGGGCCTGACCCTCAGTCAGTGACTCTCTATTCTGGA
GAAGACTATCCTGATACAGCTCCAGTGATCCATGGGGTGGACGTTATAAACAGTACATTAGTTAAAGTT
ACCTGGTCAACAGTTCCAAAGGACAGAGTACATGGACGTCTGAAAGGCTATCAGATAAATTGGTGGAAA
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AAAGGAGCTGGTCCTGAAAGTGAGCCTTATATATTTCAAACACCAGAAGGAGTACCTGAACAGCCAACT
TTTCTAAAGGTCATCAAAGTTGATAAAGACACTGCCACTTTATCTTGGGGACTACCTAAGAAATTAAAT
GGAAACTTAACTGGCTATCTTTTGCAATATCAGATAATAAATGACACCTACGAGATTGGAGAATTAAAT
GATATTAACATTACAACTCCATCAAAGCCCAGCTGGCACCTCTCAAACCTGAATGCAACTACCAAGTAC
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GGAGAAGGGAGTAAAGGTATCGGGAAGATATCAGGAGTAAATCTTACTCAAAAGACTCACCCAATAGAG
GTATTTGAGCCGGGAGCTGAACATATAGTTCGCCTAATGACTAAGAATTGGGGCGATAATGATAGCATT
TTTCAAGATGTAATTGAGACAAGAGGGAGAGAATATGCTGGTTTATATGATGACATCTCCACTCAAGGC
TGGTTTATTGGACTGATGTGTGCGATTGCTCTTCTCACACTACTATTATTAACTGTTTGCTTTGTGAAG
AGGAATAGAGGTGGAAAGTACTCAGTTAAAGAAAAGGAAGATTTGCATCCAGACCCAGAAATTCAGTCA
GTAAAAGATGAAACCTTTGGTGAATACAGTGACAGTGATGAAAAGCCTCTCAAAGGAAGCCTTCGGTCC
CTTAATAGGGATATGCAGCCTACTGAAAGTGCTGACAGCTTAGTCGAATACGGAGAGGGAGACCATGGT
CTCTTCAGTGAAGATGGATCATTTATTGGTGCCTACGCTGGATCTAAGGAGAAGGGATCTGTTGAAAGC
AATGGAAGTTCTACAGCAACTTTTCCCCTTCGGGCATAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001253387
Insert Size:	3627 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_001253387.1
RefSeq Size:	7983 bp
RefSeq ORF:	3627 bp

Locus ID:	10752
UniProt ID:	O00533
Cytogenetics:	3p26.3
Protein Families:	Transmembrane
MW:	135.1 kDa
Gene Summary:	The protein encoded by this gene is a member of the L1 gene family of neural cell adhesion molecules. It is a neural recognition molecule that may be involved in signal transduction pathways. The deletion of one copy of this gene may be responsible for mental defects in patients with 3p- syndrome. This protein may also play a role in the growth of certain cancers. Alternate splicing results in both coding and non-coding variants. [provided by RefSeq, Nov 2011] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. This variant encodes isoform 2, which is shorter than 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.