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Product datasheet for SC337915

CHL1 (NM_001253388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHL1 (NM_001253388) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHL1
Synonyms:	CALL; L1CAM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001253388, the custom clone sequence may differ by one or more nucleotides

ATGGAGCCGCTTTTACTTGGAAGAGGACTAATCGTATATCTAATGTTCCTCCTGTTAAAATTCTCAAAAG
CAATTGAAATACCATCTTCAGTTCAACAGGTTCCAACAATCATAAAACAGTCAAAAGTCCAAGTTGCCTT
TCCCTTCGATGAGTATTTTCAAATTGAATGTGAAGCTAAAGGAAATCCAGAACCAACATTTTCGTGGACT
AAGGATGGCAACCCTTTTTATTTCACTGACCATCGGATAATTCCATCGAACAATTCAGGAACATTCAGGA
TCCCAAACGAGGGGCACATATCTCACTTTCAAGGGAAATACCGCTGCTTTGCTTCAAATAAACTGGGAAT
CGCTATGTCAGAAGAAATAGAATTTATAGTTCCAAGTGTTCCAAAATTCCCAAAAGAAAAAATTGACCCT
CTTGAAGTGGAGGAGGGAGATCCAATTGTCCTCCCATGCAATCCTCCCAAAGGCCTCCCACCTTTACACA
TTTATTGGATGAATATTGAATTAGAACACATCGAACAAGATGAAAGAGTATACATGAGCCAAAAGGGAGA
TCTATACTTCGCAAACGTGGAAGAAAAGGACAGTCGCAATGACTACTGTTGCTTTGCTGCATTTCCAAGA
TTAAGGACTATTGTACAGAAAATGCCAATGAAACTAACAGTTAACAGTTTAAAGCATGCTAATGACTCAA
GTTCATCCACAGAAATTGGTTCCAAGGCAAATTCCATCAAGCAAAGAAAACCCAAACTGCTGTTGCCTCC
CACTGAGAGTGGCAGTGAGTCTTCAATTACCATCCTCAAAGGGGAAATCTTGCTGCTTGAGTGTTTTGCT
GAAGGCTTGCCAACTCCACAGGTTGATTGGAACAAAATTGGTGGTGACTTACCAAAGGGGAGAGAAACAA
AAGAAAATTATGGCAAGACTTTGAAGATAGAGAATGTCTCCTACCAGGACAAAGGAAATTATCGCTGCAC
AGCCAGCAATTTCTTGGGAACAGCCACTCACGATTTTCACGTTATAGTAGAAGAGCCTCCTCGCTGGACA
AAGAAGCCTCAGAGTGCTGTGTATAGCACCGGAAGCAATGGCATCTTGTTATGTGAGGCTGAAGGAGAAC
CTCAACCCACAATCAAGTGGAGAGTCAATGGCTCCCCAGTTGACAATCATCCATTTGCTGGTGATGTTGT
CTTCCCCAGGGAAATCAGTTTTACCAACCTTCAACCAAATCATACTGCTGTGTACCAGTGTGAAGCCTCA
AATGTCCATGGAACTATCCTTGCCAATGCCAATATTGATGTTGTGGATGTCCGTCCATTGATACAAACCA
AAGATGGAGAAAATTACGCTACAGTGGTTGGGTACAGTGCTTTCTTACATTGCGAGTTCTTTGCTTCACC
TGAGGCAGTCGTGTCCTGGCAGAAGGTGGAAGAAGTGAAACCCCTGGAGGGCAGGCGGTATCATATCTAT
GAAAATGGCACATTGCAGATCAACAGAACCACCGAAGAAGATGCTGGGTCTTACTCATGTTGGGTAGAAA
ATGCTATAGGAAAAACTGCAGTCACAGCCAATTTGGATATTAGAAATGCTACAAAACTTAGAGTTTCTCC

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TAAGAATCCTCGTATCCCCAAATTGCATATGCTTGAATTACATTGTGAAAGCAAATGTGACTCACATTTG
AAACACAGTTTGAAGTTGTCCTGGAGTAAAGATGGAGAAGCCTTTGAAATTAATGGCACAGAAGATGGCA
GGATAATTATTGATGGAGCTAATTTGACCATATCTAATGTAACTTTAGAGGACCAAGGTATTTACTGCTG
TTCAGCTCATACTGCTCTAGACAGTGCTGCCGATATAACTCAAGTAACTGTTCTTGATGTTCCGGATCCA
CCAGAAAACCTTCACTTGTCTGAAAGACAGAACAGGAGTGTTCGGCTGACCTGGGAAGCTGGAGCTGACC
ACAACAGCAATATTAGCGAGTATATTGTTGAATTTGAAGGAAACAAAGAAGAGCCTGGAAGGTGGGAGGA
ACTGACCAGAGTCCAAGGAAAGAAAACCACAGTTATCTTACCTTTGGCTCCATTTGTGAGATACCAGTTC
AGGGTCATAGCCGTGAACGAAGTAGGGAGAAGTCAGCCTAGCCAGCCGTCAGACCATCATGAAACACCAC
CAGCAGCTCCAGATAGGAATCCACAAAACATAAGGGTTCAAGCCTCTCAACCCAAGGAAATGATTATAAA
GTGGGAGCCTTTGAAATCCATGGAGCAGAATGGACCAGGCCTAGAGTACAGAGTGACCTGGAAGCCACAG
GGAGCCCCAGTGGAGTGGGAAGAAGAAACAGTCACAAACCACACATTGCGGGTGATGACGCCTGCTGTCT
ATGCCCCTTATGATGTCAAGGTCCAGGCTATCAATCAACTAGGATCTGGGCCTGACCCTCAGTCAGTGAC
TCTCTATTCTGGAGAAGACTATCCTGATACAGCTCCAGTGATCCATGGGGTGGACGTTATAAACAGTACA
TTAGTTAAAGTTACCTGGTCAACAGTTCCAAAGGACAGAGTACATGGACGTCTGAAAGGCTATCAGATAA
ATTGGTGGAAAACAAAAAGTCTGTTGGATGGAAGAACACATCCCAAAGAAGTGAACATTCTAAGATTTTC
AGGACAAAGAAACTCTGGAATGGTTCCTTCCTTAGATGCCTTTAGTGAATTTCATTTAACAGTCTTAGCC
TATAACTCTAAAGGAGCTGGTCCTGAAAGTGAGCCTTATATATTTCAAACACCAGAAGGAGTACCTGAAC
AGCCAACTTTTCTAAAGGTCATCAAAGTTGATAAAGACACTGCCACTTTATCTTGGGGACTACCTAAGAA
ATTAAATGGAAACTTAACTGGCTATCTTTTGCAATATCAGATAATAAATGACACCTACGAGATTGGAGAA
TTAAATGATATTAACATTACAACTCCATCAAAGCCCAGCTGGCACCTCTCAAACCTGAATGCAACTACCA
AGTACAAATTCTACTTGAGGGCTTGCACTTCACAGGGCTGTGGAAAACCGATCACGGAGGAAAGCTCCAC
CTTAGGAGAAGGGAAATATGCTGGTTTATATGATGACATCTCCACTCAAGGCTGGTTTATTGGACTGATG
TGTGCGATTGCTCTTCTCACACTACTATTATTAACTGTTTGCTTTGTGAAGAGGAATAGAGGTGGAAAGT
ACTCAGTTAAAGAAAAGGAAGATTTGCATCCAGACCCAGAAATTCAGTCAGTAAAAGATGAAACCTTTGG
TGAATACAGTGACAGTGATGAAAAGCCTCTCAAAGGAAGCCTTCGGTCCCTTAATAGGGATATGCAGCCT
ACTGAAAGTGCTGACAGCTTAGTCGAATACGGAGAGGGAGACCATGGTCTCTTCAGTGAAGATGGATCAT
TTATTGGTGCCTACGCTGGATCTAAGGAGAAGGGATCTGTTGAAAGCAATGGAAGTTCTACAGCAACTTT
TCCCCTTCGGGCATAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001253388
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_001253388.1, NP_001240317.1
RefSeq Size:	7324 bp

RefSeq ORF:	3516 bp
Locus ID:	10752
Cytogenetics:	3p26.3
Protein Families:	Transmembrane
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 (3) lacks an in-frame exon in the coding region, compared to variant 1. This variant encodes isoform 3, 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.