

Product datasheet for SC115983

CHL1 (NM_006614) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHL1 (NM_006614) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHL1
Synonyms:	CALL; L1CAM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115983 sequence for NM_006614 edited (data generated by NextGen Sequencing)

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ATGGAGCCGCTTTTACTTGAAGAGGACTAATCGTATATCTAATGTTCTCTGTTAAAA
TTCTCAAAGCAATTGAAATACCATCTTCANNNNNNAGGTTCCAACAATCATAAAACAG
TCAAAAGTCCAAGTTGCCTTTCCCTTCGATGAGTATTTTCAAATTGAATGTGAAGCTAAA
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CATCGGATAATTCATCGAACAAATTCAGGAACATTGAGGATCCCAAACGAGGGGCACATA
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CTTGAAGTGGAGGAGGAGATCCAATTGCTCTCCATGCAATCCTCCCAAAGGCCTCCCA
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ACCGAAGAAGATGCTGGGTCTTACTCATGTTGGGTAGAAAATGCTATAGGAAAACTGCA
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CGTATCCCCAAATTCATATGCTTGAATTACATTGTGAAAGCAAATGTGACTCACATTTG
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CCCCTTCGGGCATAA

Clone variation with respect to NM_006614.2

91 g=>n;92 t=>n;93 t=>n;94 c=>n;95 a=>n;96 a=>n;97 c=>n;907 a=>g;3148 a=>g;3213 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006614 unedited
 TGTACATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCAGAACCCA
 GNAAGGGAGCAGAGGGCAGAGCCAGCCTCCGGCAGGAGGGCGTAGACCCCGGTGCCAGCC
 AGAACGGCTCCAGCCTTCCCGCGCCAGAGAGCCAGCGGGCGGAGGGGACGGGCGGGACC
 TCCGCGGACAGCCCCGGGTGCGGACCAGCGGGCAGCGGCCGGCGAGACCCCTCCCTGGATC
 CGCCCAGAGCTTACCGGACCCCTGCGGCCCCCGTCCCGGCTCCCGGCCGGCTCGGGGGAG
 AAGGCGCCCGAGGGGAGCGCCGACAGATCGCGTTTCGGAGGGCGCGCAGGTGCTGTAA
 ACTGCAAACCATAATCCTGTCTTAATACTGCAAACAAATCATAGTGGAACCTAAGGGGAAC
 TTAATTTACTGTTTCCAGGTTAACTAAGGTCTCAGCTGTAAACAAAAGTGAGAGGAGAC
 ATTAAGATTTTCACTTACCAGGTTGTCTTCTCCTGAAGAGCAATGGAGCCGCTTTTA
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 GAAATACCATCTCAGGTTCCAACAATCATAAACAGTCAAAGTCCAAGTTGCCTTTCC
 CTTGATGAGTATTTCAAATTGAATGTGAAGCTAAAGGAAATCCAGAACCAACATTTTC
 GTGGACTAAGGGATGGCACCCCTTNTATTTCACTGACCATCGNATAATTCATCGAACAA
 TTCAGGAACATTCAGGATCCCAAACGAGGNGCACATATCTCACTTTCAGGGGAAAACCGC
 TGCTTTGCTTCCAATAACTGGGAATCGCTATGTCAGAAGAAATAGATTTATAGTTCCAG
 TGGTCCAAAATTCCAAAGGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006614 unedited
 TGCTTTGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTGGGATACAAGAAGGAAAACCTTTATTTGGAAAGGTGAA
 TTTTCATGGATAAAGAAAATTTTTCAAACCTACCTAGGCCTAAGCCTAATACAAACCC
 CCCTACCATACAAACCCGGTTTATAAAGGTCTACTATGAAAATTAATCCCAGCCAAAAA
 AAAAGGGAATCACGGGAACCCGGTCTACATACCTTTTCATTTTTTTTGGGGACGGAATCGA
 ACAATTTAAGGGACCAACAAAAAAGGTTTGGGTGAACCCTACTTATTTCACTTTAGGA
 ACCCTTGGGTATTTACTACCCAGATAACAAACCCATCCATTATAATTAATTTAACAT
 TGGTACTGAATCATATCTTAATGGGATGGAAACATATTTAGGGTTCAATTGGCAATTA
 TGGTTTAAATGGTTAAAAAAGCACACCAACATTTTTTATTATTGGCCCTCTTAACTTA
 TCTTTTCCCTGGGATAAAATAGGGAAAAAATATTATTTGGGACTTCCAGCATAAATCCA
 TTGGGCCCTACATTTTTACCAACACGGGGGATCTAAAATATCGATGCCTTTATACCGGC
 AGGAAAAAACCCCAATTCCCATTTTTTCTTAATAAAACCCCTGGCAAATTTATGGGAA
 AACACTTTTGGGATAGCAAAGACCCCTGCTTAAATTTCTTCTGGAATAAAAAATTTCAA
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 GCTTTTCTAAAAAAAANTTAATGGGTTAACCGGAAAAAGGTGGGCGTGGGTGTGGG
 GGGGGGGGCCTCTACAACCAATTAGTTCCAAGGGGTGCGCTTAAGAGAGTAGAAAGG
 GGTCTCAGCCTTNATAATTTTTCAACATTTCTTTCTAAAAAAAACACCTGGCACAAAA
 AAAGGGCAAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_006614

Insert Size:

7070 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_006614.2 , NP_006605.2
RefSeq Size:	7650 bp
RefSeq ORF:	3675 bp
Locus ID:	10752
UniProt ID:	O00533
Cytogenetics:	3p26.3
Domains:	ig, IGc2, IG, FN3
Protein Families:	Transmembrane
Gene Summary:	<p>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]</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>