

Product datasheet for RC214492

CHL1 (NM_006614) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHL1 (NM_006614) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHL1
Synonyms:	CALL; L1CAM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214492 representing NM_006614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGCTTTTACTTGAAGAGGACTAATCGTATATCTAATGTTCTCCTGTAAAAATTCTCAAAG
CAATTGAAATACCATCTTCAGTTC AACAGGTTCCAACAATCATAAAACAGTCAAAGTCCAAGTTCCTT
TCCCTTCGATGAGTATTTTCAAATTGAATGTGAAGCTAAAGGAAATCCAGAACCAACATTTTCGTGGACT
AAGGATGGCAACCCTTTTATTTCACTGACCATCGGATAATTCATCGAACAATTCAGGAACATTCAGGA
TCCCAAACGAGGGGCACATATCTCACTTCAAGGAAATACCGCTGCTTTGCTTCAAATAAACTGGGAAT
CGCTATGTCAGAAGAAATAGAATTTATAGTTCCAAGTGTTCAAAATTCCAAAGAAAAAATTGACCCCT
CTTGAAGTGGAGGAGGGAGATCCAATTGTCTCCCATGCAATCCTCCAAAGGCCTCCACCTTTACACA
TTTATTGGATGAATATTGAATTAGAACACATCGAACAAGATGAAAGAGTATACATGAGCCAAAAGGGAGA
TCTATACTTCGCAAACGTGGAAGAAAAGGACAGTCGCAATGACTACTGTTGCTTTGCTGCATTTCCAAGA
TTAAGGACTATTGTACAGAAAATGCCAATGAACTAACAGTTAACAGTTTAAAGCATGCTAATGACTCAA
GTTTCATCCACAGAAATGGTTCCAAGGCAAATTCATCAAGCAAAGAAAACCCAAACTGCTGTTGCCTCC
CACTGAGAGTGGCAGTGAGTCTTCAATTACCATCCTCAAAGGGGAAATCTTGCTGCTTGAGTGTTTTGCT
GAAGCTTGCCAACTCCACAGTTGATTGGAACAAAATTTGGTGGTGACTTACCAAAGGGGAGAGAACA
AAGAAAATTATGGCAAGACTTTGAAGATAGAGAATGTCTCTACCAGGACAAAGGAAATATCGCTGCAC
AGCCAGCAATTTCTTGGGAACAGCCACTCACGATTTTACGTTATAGTAGAAGAGCCTCCTCGCTGGACA
AAGAAGCCTCAGAGTGTGTATAGCACCGGAAGCAATGGCATCTTGTTATGTGAGGCTGAAGGAGAAC
CTCAACCCACAATCAAGTGGAGAGTCAATGGCTCCCCAGTTGACAATCATCCATTTGCTGGTGATGTTGT
CTTCCCCAGGAAATCAGTTTTACCAACCTTCAACCAAATCATACTGCTGTGTACCAGTGTGAAGCCTCA
AATGTCCATGGAATATCCTTGCCAATGCCAATATTGATGTTGTGGATGTCGGTCCATTGATACAAACCA
AAGATGGAGAAAATTACGCTACAGTGGTGGGTACAGTCTTTCTTACATTGCGAGTCTTTGCTTCAAC
TGAGGCAGTCGTCTCCTGGCAGAAGGTGGAAGAAGTAAACCCCTGGAGGCAGGCGGTATCATATCTAT



GAAAATGGCACATTGCAGATCAACAGAACCACCGAAGAAGATGCTGGGTCTTACTCATGTTGGGTAGAAA
ATGCTATAGGAAAACTGCAGTCACAGCCAATTTGGATATTAGAAATGCTACAAAACCTTAGAGTTTCTCC
TAAGAATCCTCGTATCCCCAAATTCATATGCTTGAATTACATTTGTGAAAGCAAAATGTGACTCACATTTG
AAACACAGTTTGAAGTTGTCCTGGAGTAAAGATGGAGAAGCCTTTGAAATTAATGGCACAGAAGATGGCA
GGATAATTATTGATGGAGCTAATTTGACCATATCTAATGTAACCTTAGAGGACCAAGGTATTTACTGCTG
TTCAGCTCATACTGCTCTAGACAGTGTGCCGATATAACTCAAGTAACTGTTCTTGATGTTCCGGATCCA
CCAGAAAACCTTCACTTGTCTGAAAGACAGAACAGGAGTGTTCGGCTGACCTGGGAAGCTGGAGCTGACC
ACAACAGCAATATTAGCGAGTATATTGTTGAATTTGAAGGAAACAAAGAAGAGCCTGGAAGGTGGGAGGA
ACTGACCAGAGTCCAAGGAAAGAAAACACAGTTATCTTACCTTTGGCTCCATTTGTGAGATACCAGTTC
AGGGTCATAGCCGTGAACGAAGTAGGGAGAAGTCAAGCCTAGCCAGCCGTCAGACCATCATGAAACACCAC
CAGCAGCTCCAGATAGGAATCCACAAAACATAAGGGTTCAAGCCTCTCAACCCAAGGAAATGATTATAAA
GTGGGAGCCTTTGAAATCCATGGAGCAGAATGGACCAGGCCTAGAGTACAGAGTGACCTGGAAGCCACAG
GGAGCCCCAGTGGAGTGGGAAGAAGAAACAGTCACAAACCACACATTGCGGGTGATGACGCCTGCTGTCT
ATGCCCTTATGATGTCAAGTCCAGGCTATCAATCAACTAGGATCTGGGCTGACCTCAGTCAGTGAC
TCTCTATTCTGGAGAAGACTATCCTGATACAGCTCCAGTATCCATGGGGTGGACGTTATAAACAGTACA
TTAGTTAAAGTTACCTGGTCAACAGTCCAAAGGACAGAGTACATGGACGCTGAAAGGCTATCAGATAA
ATTGGTGGAAAACAAAAGTCTGTTGGATGGAAAGACACATCCCAAGAAGTGAACATTCTAAGATTTTC
AGGACAAAGAACTCTGGAATGGTTCCTTCTTAGATGCCTTTAGTGAATTTCAATTAACAGTCTTAGCC
TATAACTCTAAAGGAGCTGGTCTGAAAGTGAAGCCTTATATTTCAAACACCAGAAGGAGTACCTGAAC
AGCCAACCTTTCTAAAGTCACTAAAGTTGATAAAGACACTGCCACTTTATCTTGGGGACTACCTAAGAA
ATTAATGATAATTAACATTACAACCTCCATCAAAGCCCAGCTGGCACCTCTCAAACCTGAATGCAACTACCA
AGTACAAATCTACTTGAGGGCTTGCACTTCACAGGGCTGTGGAAAACCGATCACGGAGGAAAGCTCCAC
CTTAGGAGAAGGGAGTAAAGGTATCGGGAAGATATCAGGAGTAAATCTTACTCAAAGACTCACCCAATA
GAGGTATTTGAGCCGGGAGCTGAACATATAGTTCGCCTAATGACTAAGAATTGGGGCGATAATGATAGCA
TTTTTCAAGATGTAATTGAGACAAGAGGGAGAGAATATGCTGGTTTATATGATGACATCTCCACTCAAGG
CTGGTTTATTGGACTGATGTGTGCGATTGCTCTTCTCACACTACTATTATTAAGTGTGTTGCTTTGTGAAG
AGGAATAGAGGTGAAAGTACTCAGTTAAAGAAAAGGAAGATTTGCATCCAGACCCAGAAATTCAGTCAG
TAAAAGATGAAACCTTTGGTGAATACAGTGACAGTGATGAAAAGCCTCTCAAAGGAAGCCTTCGGTCCCT
TAATAGGGATATGCAGCCTACTGAAAGTGTGACAGCTTAGTGAATACGGAGAGGGAGACCATGGTCTC
TTCAGTGAAGATGGATCATTTATTGGTGCCTACGCTGGATCTAAGGAGAAGGGATCTGTTGAAAGCAATG
GAAGTTCTACAGCAACTTTCCCTTCGGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214492 representing NM_006614
 Red=Cloning site Green=Tags(s)

```
MEPLLLGRGLIVYLMFLLLKFSKAIEIPSSVQQVPTIIKQSKVQVAFPFDEYFQIECEAKGNPEPTFSWT
KDGPNFYFTDHRIIIPSNNSGTFRIPNEGHI SHFQGYKRCFASNKLGIAMSEEIEFIVPSVPKFPKEKIDP
LEVEEGDPIVLPCNPPKGLPPLHIYWMNIELEHIEQDERVYMSQKGDLYFANVEEKDSRNDYCCFAAFPR
LRTIVQKMPMKLTVNSLKHANDSSSTEIGSKANSIKQRKPKLLLPPTESGSESSITILKGEILLLECFA
EGLPTPQVDWNIIGDLPKGRETKENYGTKLKIENVSYQDKGNRYCTASNFLGTATHDFHVIVEEPPRWT
KKPQSAVYSTGSNGILLCEAEGEPQPTIKWRVNGSPVDNHPFAGDVVFPREISFTNLQPNHTAVYQCEAS
NVHGTILANANIDVVDVRPLIQTKDGENYATVVGYS AFLHCEFFASPEAVVSWQKVEEVKPLEGRRYHIY
ENGLTQINRTTEEDAGSYSCWVENAIGKTAVTANLDIRNATKLRVSPKNRIPKLMLELHCEKCDSHL
KHSLKLSWSDGAEFEINGTEDGRIIIDGANLTISNVTLEDQGIYCCSAHTALDSAADITQVTLVDVPDP
PENLHL SERQNRSVRLTWEAGADHNSNI SEYIVEFEGNKEEPGRWEELTRVQGKTTVILPLAPFVRYQF
RVIAVNEVGRSQPSQPSDHHETPPAAPDRNPQIRVQASQPKEMI IKWEPLKSMEQNGPGL EYRVTKWPQ
GAPVEWEEETVTNHTLRVMTPAVYAPYDVKVQAINQLGSGPDPQSVTLYSGEDYPTAPVIHGV DVINST
LVKVTWSTVPKDRVHGRLKGYQINWWTKSLLDGRTHPKVENILRFSGQRNSGMVPSLDAFSEFHLTVLA
YNSKGAGPESEPYIFQTPEGVPEQPTFLKVIKVDKDTATLSWGLPKKLNGLTG YLLQYQIINDTYEIGE
LNDINITTPSKPSWHL SNLNATTKYK FYLRACTSQGCGKPI TEESSTLGE GSKGIGKISGVNLTQKTHPI
EVFEPGAEHIVRLMTKNWGDND SIFQDVIETRGREYAGLYDDISTQGWFI GLMCAIALL TLLLLTVCFVK
RNRGGKYSVKEKEDLHPDPEIQSVKDETFGEYSDSDEKPLK GSLRSLNRDMQPTESADSLVEYGE GDHGL
FSEDGSFIGAYAGSKEKGSVESNGSSTATFPLRA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8115_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

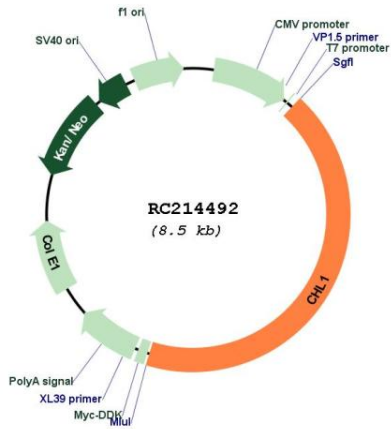


ACCN: NM_006614

ORF Size: 3672 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_006614.4
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
MW:	136.7 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]

Product images:



Circular map for RC214492