

Product datasheet for **SC109440**

CD10 (MME) (NM_000902) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD10 (MME) (NM_000902) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD10
Synonyms:	CALLA; CD10; CMT2T; NEP; SCA43; SFE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC109440 sequence for NM_000902 edited (data generated by NextGen Sequencing)

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ATGGGCAAGTCAGAAAGTCAGATGGATATAACTGATATCAACTCCAAAGCCAAAGAAG
AAACAGCGATGGACTCCACTGGAGATCAGCCTCTCGGTCTTGTCTGCTCCTCACCATC
ATAGCTGTGACAATGATCGCACTCTATGCAACCTACGATGATGGTATTTGCAAGTCATCA
GACTGCATAAAATCAGCTGCTCGACTGATCCAAAACATGGATGCCACCCTGAGCCTTGT
ACAGACTTTTTCAAAATATGCTTGGGAGGCTGGTTGAAACGTAATGTCATTCCCGAGACC
AGCTCCCGTTACGGCAACTTTGACATTTTAAGAGATGAACTAGAAGTCGTTTTGAAAGAT
GTCCTTCAAGAACCACAACTGAAGATATAGTAGCAGTGAGAAAAGCAAAAGCATTGTAC
AGGTCTTGATAAATGAATCTGCTATTGATAGCAGAGGTGGAGAACCTCTACTCAAAGT
TTACCAGACATATATGGGTGGCCAGTAGCAACAGAAAAGTGGGAGCAAAAATATGGTGCT
TCTTGGACAGCTGAAAAGCTATTGCACAAGTGAATTCTAAATATGGGAAAAAGTCCTT
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CAACCTCGACTTGGCCTCCCTTAGAGATTACTATGAATGCACTGGAATCTATAAGAG
GCTTGTACAGCATATGTGGATTTATGATTTCTGTGGCCAGATTGATTCGTCAGGAAGAA
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GTCATAGGACACGAAATCACCCATGGCTTCGATGACAATGGCAGAACTTTAACAAAGAT
GGAGACCTCGTTGACTGGTGGACTCAACAGTCTGCAAGTAACTTTAAGGAGCAATCCCAG
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GGAATTAATACACTGGGAGAAAACATTGCTGATAATGGAGGTCTTGGTCAAGCATACAGA
GCCTATCAGAATTATATTAAGAAAGTGGCGAAGAAAATTAATCTCCTGGACTTGACCTA
AATCACAACAACATTTTTCTTGAACCTTGCACAGGTGGTGTGGAACCTATAGGCCA
GAGTATGCGGTTAACTCCATTAACAGATGTGCACAGTCCAGGCAATTTTCAGGATTATT
GGGACTTTGCAGAACTCTGCAGAGTTTTCAGAAGCCTTTCACTGCCGCAAGAATTCATAC
ATGAATCCAGAAAAGAAGTGCCGGTTTTGGTGA
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Clone variation with respect to NM_000902.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000902 unedited</p> <pre>GGTGTTCAATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGCAGC AGCCTCCAACCTTCTCCGAATCCCACTGATTTTAGGTGATGGGCAAGTCAGAAAGTCAGA TGGATATAACTGATATCAACACTCCAAAGCCAAAGAAGAAACAGCGATGGACTCCACTGG AGATCAGCCTCTCGTCTTGTCTGCTCCTCACCATCATAGCTGTGACAATGATCGCAC TCTATGCAACCTACGATGATGGTATTTGCAAGTCATCAGACTGCATAAAATCAGTGTCTC GACTGATCCAAAACATGGATGCCACCCTGAGCCTTGACAGACTTTTTCAAATATGCTT GCGGAGGCTGGTTGAAACGTAATGTCATTCCCGAGACCAGCTCCGTTACGGCAACTTTG ACATTTTAAGAGATGAACTAGAAGTCGTTTTGAAAGATGTCCTTCAAGAACCCTAAACTG AAGATATAGTAGCAGTGCAGAAAGCAAAAGCATTGTACAGGTCTTGATAAATGAATCTG CTATTGATAGCAGAGGTGGAGAACCCTCTACTCAAAGTGTACCAGACATATATGGGTGGC CAGTAGCAACAGAAAACCTGGGAGCAAAAATATGGTGTCTTGGACAGCTGAAAAGCTA TTGCACAACCTGAATCTAAATATGGGAAAAAGTCCTTATTAATTTGTTTGGTGGCAGT ATGATAAGAATCTGTGAATCATGTAATTCATATTGACCAACCTCGACTTGGCCTCCCTT CTAGAGATACTATGAATGCACTGGAATCTATAAGAGGCTTGACAGCATATGTGGATTT TATGAATCTGTGCCAGAATGATTCGTGAGGAAGAAAGATTGCCATCGATGAAACCAGC TTGCTTTGGAATGAATAAGTATGGAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000902 unedited</p> <pre>CCCCATTTGTTGCCCGCCGCGCATTCTACATCGCGTTTTTTTTTTTTTTTTTACCAT CACCAACGTTTGTGTTTTATTTTGCATTTTGGAGACTGGAAACTGATAAACATTTCTGATT AGGAAACTTTGACAATACAGTCTTTCTTCTTTCCAAAATAACAAATGCTTTTAGTTTGA GAGCTCCAGCTGTGGCAACAAGAATGATAAATGCTTTTGAGAAAATTAGCACGGTTTTGC CCCCTTAAATGGTTAACAGTAACAGTAGTACAGACCCAAACTTGACAAAACCTTTGGCAC TTGTTATTTGGACTAAAATTTTGTCTCACTCCATTACACACGTCATGGGAGTTTTTCAG TTTATCTGCCCCTGATTACACTGGCAGACCGATTCCCTGGGACGGCAGCATTGGAC ACCTACTCCTTCTCTCGTGCACACCAATATACTCTAATTCTTTTTCTAGGCGAG AGACGCCCCCGCCACCGGAAAATTGCACACCCCCAGGCCCCCTCGCCCGAGCGCCAC ACCCGCCCCCAACAGGCACTTTTTCTTGCCCCGCTGCCCTTCCAATCCTTCCACTTCG CCCCTCCCTCCCAACACCGCTCCTCGCAGTATCTTCTCCCAACCCCTCCCTCCCTGCCC CCCGCCCTTCTCCCACTCTCTCGCCACTTTCCTACCTCTCCAACCATTTTTGTCTAT AAAAATTTATCAATTCCTCTCTTCCCCCATACCCTCCTCCCTCTCACCCCTCGTCTCT ACTGCCGTGACACACCCCAACGCCCCCTGCCCCGTCACCAACCACACGACGCGCC CCCCCGCCTCACCATCACATAGTCATCCCAACCCATCCCCCCTCAACTCCCTCCCC ACTCCCTCCCTCTCGCCTCCTCCCAACCGCTCCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_000902
Insert Size:	5850 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:	NM_000902.2 , NP_000893.1
RefSeq Size:	5595 bp
RefSeq ORF:	2253 bp
Locus ID:	4311
UniProt ID:	P08473
Cytogenetics:	3q25.2
Domains:	Peptidase_M13
Protein Families:	Druggable Genome, Protease, Transmembrane
Protein Pathways:	Alzheimer's disease, Hematopoietic cell lineage, Renin-angiotensin system
Gene Summary:	<p>The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. [provided by RefSeq, Aug 2017]</p> <p>Transcript Variant: This variant (1) contains an alternate 5' UTR exon compared to variant 2b. Variants 1, 1bis, 2a, 2b, 3, and 4 all encode the same isoform (a).</p>