

## Product datasheet for **RC402167**

### NOTCH3 (NM\_000435) Human Mutant ORF Clone

#### Product data:

Product Type:	Mutant ORF Clones
Product Name:	NOTCH3 (NM_000435) Human Mutant ORF Clone
Mutation Description:	G953C
Affected Codon#:	953
Affected NT#:	2857
Nucleotide Mutation:	NOTCH3 Mutant (G953C), Myc-DDK-tagged ORF clone of Homo sapiens notch 3 (NOTCH3) as transfection-ready DNA
Effect:	CADASIL
Symbol:	NOTCH3
Synonyms:	CADASIL; CADASIL1; CASIL; IMF2; LMNS
E. coli Selection:	Kanamycin (25 ug/mL)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
Tag:	Myc-DDK
ACCN:	NM_000435
ORF Size:	6963 bp
Restriction Sites:	Sgfl-MluI
ORF Nucleotide Sequence:	>RC402167 representing NM_000435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCCGGGGCCCGTGGCCGCCGCCCGCCGTCGCCGATGTCGCCGCCACCGCCACCGCCACCCG  
TGCGGGCGCTGCCCTGCTGCTGCTGCTAGCGGGCCGGGGGTGCAGCCCCCTTGCCTGGACGGAAG  
CCCGTGTGCAAATGGAGGTCGTTGCACCCAGCTGCCCTCCGGGAGGCTGCCTGCCTGTGCCCGCTGGC  
TGGGTGGGTGAGCGGTGTCAGCTGGAGGACCCCTGCTCACTCAGGCCCTGTGCTGGCCGTGGTGTCTGCC  
AGAGTTCAGTGGTGGCTGGCACCGCCGATTCTCATGCCGGTCCCCCGTGGCTCCGAGGCCCTGACTG  
CTCCCTGCCAGATCCCTGCCTCAGCAGCCCTTGTGCCACGGTCCCCGCTGCTCAGTGGGGCCCGATGGA  
CGTTCCTCTGCTCCTGCCACCTGGTACCAGGGCCGACGCTGCCGAAGCGACGTGGATGAGTGCCGGG



[View online »](#)

TGGGTGAGCCCTGCCGCCATGGTGGCACCTGCCTCAACACACCTGGCTCCTTCCGCTGCCAGTGTCCAGC  
TGGCTACACAGGGCCACTATGTGAGAACCCCGCGGTGCCCTGTGCACCCTCACCATGCCGTAACGGGGGC  
ACCTGCAGGCAGAGTGGCGACCTCACTTACGACTGTGCCTGTCTTCTGGGTTTGAGGGTCAGAAATTGTG  
AAGTGAACGTGGACGACTGTCCAGGACACCGATGTCTCAATGGGGGACATGCGTGGATGGCGTCAACAC  
CTAACTGCCAGTGCCTCCTGAGTGGACAGGCCAGTTCTGCACGGAGGACGTGGATGAGTGTGAGTGTG  
CAGCCCAACGCCTGCCACAATGGGGGTACCTGCTTCAACACGCTGGGTGGCCACAGCTGCGTGTGTGTCA  
ATGGCTGGACAGGCGAGAGCTGCAGTCAGAATATCGATGACTGTGCCACAGCCGTGCTTCCATGGGGC  
CACCTGCCATGACCGCGTGGCTTCTTTCTACTGTGCCTGCCCATGGGCAAGACTGGCCTCCTGTGTAC  
CTGGATGACGCCTGTGTGAGCAACCCCTGCCACGAGGATGCTATCTGTGACACAAATCCGGTGAACGGCC  
GGGCCATTTGCACCTGTCTCCCGGCTTACGGGTGGGGCATGTGACCAGGATGTGGACGAGTGTCTAT  
CGGCGCAACCCCTGCGAGCACTTGGGCAGGTGCGTGAACACGCAGGGCTCCTTCTGTGCCAGTGTGCGT  
CGTGGCTACACTGGACCTCGCTGTGAGACCGATGTCAACGAGTGTCTGTGCGGGCCCTGCCGAAACCAGG  
CCACGTGCCTCGACCGCATAGGCCAGTTCACCTGTATCTGTATGGCAGGCTTACAGGAACCTATTGCGA  
GGTGGACATTGACGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG  
TTCAGTGCACCTGCCCTCGGGCTTACAGCGCTCCACGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG  
CGCCCTGCAGGAATGGCGCAAAATGCGTGGACCAGCCGATGGCTACGAGTGGCCCTGTGCCGAGGGCTT  
TGAGGGCACGCTGTGTGATCGCAACGTGGACGACTGCTCCCTGACCCATGCCACCATGGTGTGCGTGTG  
GATGGCATCGCCAGCTTCTCATGTGCTGTGCTCCTGGCTACACGGGCACACGCTGCGAGAGCCAGGTGG  
ACGAATGCCCGACCCAGCCCTGCCGCCATGGCGGCAAAATGCCTAGACCTGGTGGACAAGTACCTGTGCC  
CTGCCCTTCTGGGACCACAGGTGTGAATGCGAAGTGAACATTGACGACTGTGCCAGCAACCCCTGCACC  
TTTGGAGTCTGCCGTGATGGCATCAACCGCTACGACTGTGTCTGCCAACCTGGCTTACAGGGCCCTTT  
GTAACGTGGAGATCAATGAGTGTGCTTCCAGCCATGCGGCGAGGGAGGTTCTGTGTGGATGGGAAAA  
TGCTTCCGCTGCCTTCCCGCCTGGCTCCTTCCCGCCACTGCTCCTCCCGGAGCCATCCTGTGCTG  
CATGAGCCCTGCAGTCACGGCATCTGCTATGATGCACCTGGCGGGTCCGCTGTGTGTGAGCCTGGCT  
GGAGTGGCCCCGCTGCAGCCAGAGCCTGGCCCCGAGACGCTGTGAGTCCCAGCCGTGCAGGGCCGTGG  
GACATGCAGCAGCGATGGAATGGGTTTCCACTGCACCTGCCCGCCTGGTGTCCAGGGACGTGAGTGTGAA  
CTCCTCTCCCCCTGCACCCGAACCCCTGTGAGCATGGGGCCGCTGCGAGTCTGCCCTGGCCAGCTGC  
CTGTCTGCTCCTGCCCCAGGGCTGGCAAGGCCACGATGCCAGCAGGATGTGGACGAGTGTGCTGGCCC  
CGCACCTGTGGCCCTCATGGTATCTGCACCACTGGCAGGGAGTTTCCAGTGCACCTGCCATGGAGGG  
TACACTGGCCCTTCTGCGATCAGGACATCAATGACTGTGACCCCAACCCATGCCTGAACGGTGGCTCGT  
GCCAAGACGGCGTGGGCTCCTTTCTGCTCCTGCCTCCCTGGTTTCGCCGGCCACGATGCGCCCGCA  
TGTGGATGAGTGCCTGAGCAACCCCTGCGGCCCGGGCACCTGTACCGACCACGTGGCCTCCTTACCTGC  
ACCTGCCCGCCAGGCTACGGAGGCTTCCACTGCGAACAGGACCTGCCCGACTGCAGCCCCAGCTCCTGCT  
TCAATGGCGGGACCTGTGTGGACGGCGTGAACCTCGTTCAGCTGCCTGTGCCGTCCCTGCTACACAGGAGC  
CCACTGCCAACATGAGGCAGACCCCTGCCTCTCGCGCCCTGCCTACACGGGGCGTCTGACGCGCCGCC  
CACCTGGCTTCCGCTGCACCTGCCTCGAGAGCTTACGGGCCCGCAGTGCCAGACGCTGGTGGATTGGT  
GCAGCCGCCAGCCTTGTCAAACGGGGGTGCTGCGTCCAGACTGGGGCTATTGCCCTTGTCCCCTGG  
ATGGAGCGGACGCTTGTGACATCCGAAGCTTGCCTGCAGGGAGGCCGAGCCAGATCGGGGTGCGG  
CTGGAGCAGCTGTGTGAGCGGGTGGCAGTGTGTGGATGAAGACAGCTCCCACTACTGCGTGTGCCAG  
AGGGCCGTAAGTGGTACCCACTGTGAGCAGGAGGTGGACCCTGCTTGGCCAGCCCTGCCAGCATGGGGG  
GACCTGCCGTGGCTATATGGGGGCTACATGTGTGAGTGTCTTCTGGCTACAATGGTGATAACTGTGAG  
GACGAGTGGACGAGTGTGCTCCAGCCCTGCCAGCACGGGGTTTATGCATTGACCTCGTGGCCCGCT  
ATCTCTGCTCCTGTCCCCAGGAACGCTGGGGGTGCTCTGCGAGATTAATGAGGATGACTGCGGCCCAGG  
CCCACCGCTGGACTCAGGGCCCCGCTGCTACACAATGGCACCTGCGTGGACCTGGTGGTGGTTTCCGC  
TGCACCTGTCCCCAGGATACACTGGTTTGCCTGCGAGGCAGACATCAATGAGTGTGCTCAGTGCCT  
GCCACGCGGCACACCCGGGACTGCCTGCAGGACCCAGGCGGAGGTTTCCGTTGCCCTTGTGATGCTGG  
CTTCTCAGGCTCCTGCTGTGAGTGTGCTGCTCCTGCGAGTCCCAGCATGCCAGCATGGAGGCCAG  
TGCCGTCTAGCCCGGTCTGGGGTGGGCTGACCTTACCTGTCACTGTGCCAGCCGTTCTGGGGTC  
CGCGTTGCGAGCGGGTGGCGGCTCCTGCCGGGAGCTGCAAGTGCCCGGTGGGCGTCCCATGCCAGCAGAC  
GCCCGCGGGCCGCGCTGCGCCTGCCCCCCAGGGTTGTGCGGACCCTCCTGCCGAGCTTCCCGGGTGC  
CCGCGGGGGCCAGCAACGCCAGCTGCGCGGCCCCCTGTCTCCACGGGGGCTCCTGCCGCCCGCGC  
CGCTCGCGCCCTTCTCCGCTGCGCTTGCAGCAGGGCTGGACCAGGGCCGCGCTGCGAGGCGCCCGCCG

GGCACCCGAGGTCTCGGAGGAGCCGCGGTGCCCGCGCCGCCTGCCAGGCCAAGCGCGGGGACCAGCGC  
 TGCGACCCGAGTGCAACAGCCCAGGCTGCGGCTGGGACGGCGGCGACTGCTCGTGAGCGTGGGCGACC  
 CCTGGCGGCAATGCGAGGCGCTGCAGTGTGGCGCCTTTCAACAACAGCCGCTGCGACCCCGCCTGCAG  
 CTCGCCCGCTGCCTCTACGACAACCTCGACTGCCACGCCGGTGGCCGCGAGCGCACTTGCAACCCGGT  
 TACGAGAAGTACTGCGCCGACCACTTTGCCAGCGGCGCTGCGACCAGGGCTGCAACACGGAGGAGTGCG  
 GCTGGGATGGGCTGGATTGTGCCAGCGAGGTCCCGCCCTGCTGGCCCGCGCGTGTGGTGTCTCACAGT  
 GCTGTGCCGCCAGAGGACTACTGCTTCCAGCGCCGACTTTCTGCAGCGGCTCAGCGCCATCTGCGC  
 ACCTCGCTGCGCTTCCGCTGGACGCGCACGGCCAGGCCATGGTCTTCCCTTACCACCGCCTAGTCCTG  
 GCTCCGAACCCCGGGCCCGTCCGGAGCTGGCCCCGAGGTGATCGGCTCGGTAGTAATGTGGAGATTGA  
 CAACCGGCTCTGCCTGCAGTCGCTGAGAATGATCACTGCTTCCCGATGCCAGAGCGCCGCTGACTAC  
 CTGGGAGCGTTGTGAGCGGTGGAGCGCTGGACTTCCCGTACCCACTGCGGGACGTGCGGGGGAGCCGC  
 TGGAGCCTCCAGAACCAGCGTCCCGTGTGCCACTGCTAGTGGCGGGCGTGTCTGTGTGGTGTGAT  
 TCTCGTCTGGGTGTGATGGTGGCCCGCGCAAGCGGAGCACAGCACCCCTGTGGTCCCTGAGGGCTTC  
 TCACTGCAACAAGGACGTGGCCTCTGGTACAAGGGCCGGCGGAAACCCGTGGCCAGGACGCGTGGCA  
 TGAAGAACATGGCCAAGGGTGAAGCCTGATGGGGAGGTGGCCACAGACTGGATGGACACAGAGTGCC  
 AGAGGCCAAGCGCTAAAGGTAGAGGAGCCAGGCATGGGGCTGAGGAGGCTGTGGATTCCGCTCAGTGG  
 ACTCAACACCATCTGGTGTGTGACTCCCGTGGCACCAGCCATGGCACTGACACCACCACAGGGCG  
 ACGCAGATGCTGATGGCATGGATGTCAATGTGCGTGGCCAGATGGCTTACCCCGCTAATGCTGGCTTC  
 CTTCTGTGGGGGGCTCTGGAGCCAATGCCAATGAAGAGGATGAGGCAGATGACACATCAGTACATC  
 ATCTCCGACCTGATCTGCCAGGGGGCTCAGCTTGGGGCACGGACTGACCGTACTGGCGAGACTGCTTTC  
 ACCTGGCTGCCGTTATGCCCGTGTGATGCAGCAAGCGGCTGCTGGATGCTGGGGCAGACCAATGC  
 CCAGGACCACTCAGGCCGCACTCCCTGCACACAGCTGTCACAGCCGATGCCAGGGTGTCTTCCAGATT  
 CTCATCCGAAACCGCTTACAGACTTGGATGCCCGCATGGCAGATGGCTCAACGGCACTGATCTGGCG  
 CCGCCTGGCAGTAGAGGGCATGGTGAAGAGCTCATGCCAGCCATGCTGATGTAATGCTGTGGATGA  
 GCTTGGGAAATCAGCCTTACACTGGGCTGCGGCTGTGAACAACGTGGAAGCCACTTTGGCCCTGTCAA  
 AATGGAGCCAATAAGGACATGCAGGATAGCAAGGAGGAGACCCCTATTCTGGCCGCCGCGAGGGCA  
 GCTATGAGGCTGCCAAGCTGCTGTTGGACCACTTTGCCAACCGTGAATCACCAGCACCTGGACAGGCT  
 GCCCGGGGACGTAGCCAGGAGAGACTGCACCAGGACATCGTGCCTTGTGGATCAACCAGTGGGCC  
 CGCAGCCCCCGGTCCACAGGCTGGGGCTCTGCTGTCTCCAGGGCCCTTCTCCCTGGCCTCA  
 AAGCGCACAGTCGGGGTCCAAGAAGAGCAGGAGGCCCCCGGAAGCGGGGCTGGGGCCGAGGGCC  
 CCGGGGCGGGCAAGAAGCTGACGCTGGCCTGCCGGGCCCTGGCTGACAGCTCGGTACGCTGTG  
 CCGTGGACTCGCTGGACTCCCCGCGCCTTTCGGTGGGCCCTGCTTCCCTGGTGGCTTCCCTTG  
 AGGGGCCATGACAGTGCCTGCACTGCACTGCACTGCACTGCTCTGGCACAGCTTGGTGGCCAGGCCGGCGGG  
 TCTAGGGCGCCAGCCCCCTGGAGGATGTGACTCAGCCTGGGCTGCTGAACCCTGTGGCTGTGCCCTC  
 GATTGGGCCCGGCTGCCCCACCTGCCCTCCAGGCCCTCGTTCTGCTGCCACTGGCGCCGGGACCC  
 AGCTGTCAACCAGGGACCCCGTCTCCCGCAGGAGCGGCCCCCGCTTACCTGGCAGTCCCAGGACA  
 TGGCGAGGAGTACCCGGCGGCTGGGGCACACAGCAGCCCCAAAGGCCCGCTTCTGCGGGTCCCAGT  
 GAGCACCTTACCTGACCCATCCCCGAATCCCCTGAGCACTGGGCCAGCCCCACCTCCCTCCCTCT  
 CAGACTGGTCCGAATCCAGCCTAGCCAGCCACTGCCACTGGGGCCATGGCCACCACCCTGGGGCACT  
 GCCTGCCAGCCACTTCCCTGTCTGTTCCAGCTCCCTGCTCAGGCCAGACCAGCTGGGGCCCCAG  
 CCGGAAGTTACCCCAAGAGGCAAGTGTGGCC

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGA TAAGTTTAA

**Protein Sequence:** >RC402167 representing NM\_000435  
 Red=Cloning site Green=Tags(s)

MGPGARRRRRRRPMSPPPPPPVRLPLLLLLAGPGAAAPPCLDGGSPCANGGRCTQLPSREAACLPPG  
 WVGERCQLEDPCHSGPCAGRVCQSSVAGTARFSCRCPRGFRGPDCSLPDPCLSSPCAHGARCSVGPDG  
 RFLCSCPPGYQGRSCRSDVDECRVGEPCRHHGTCLNTPGSFRCQCPAGYTGPLCENPAVPCAPSPCRNGG  
 TCRQSGDLTYDCACLPGFEGQNCENVVDDCPGHRCLNGGTCTVDGVNTYNCQCPPEWTGQFCTEDVDECQL  
 QPNACHNGGTCTFNTLGGHSCVCVNGWTGESCSQNIDDCATAVCFHGATCHDRVASFYCACPMGKTGLLCH  
 LDDACVSNPCHEDAICDTPVNGRAICTCPPGFTGGACDQDVDECSIGANPCEHLGRCVNTQGSFLCQCG  
 RGYTGPRCETDVNECLSGPCRQATCLDRIGQFTICIMAGFTGTyceVDIDEQSSPCVNGGVCKDRVNG  
 FSCTCPSGFSGSTCQLDVDECASTPCRNGAKCVDQPDGYECRAEGFEGTLCDRNVDSCDPCHHGRVC  
 DGIASFSCACAPGYTGTRCESQVDECRSQPCRHHGKCLDLVDKYLRCRPSGTTGVNCEVNIDDCASNPCT  
 FGVCRDGINRYDCVCQPGFTGPLCNVEINECASSPCGEGGSCVDGENFRCLCPPGSLPPLCLPPSHPCA  
 HEPCHSHGICYDAPGGFRVCPEPWSGPRCSQSLARDACESQPCRAGGTCSSDGMGFHCTCPPGVQGRQCE  
 LLSPCTPNPCEHGRCESAPGQLPVCSCPQGWQPRCQDQVDECAGPAPCGPHGICTNLAGFSCTCHGG  
 YTGPSCDQDINDCDPNPCLNGGSCQDGVGSFSCSCLPGFAGPRCARDVDECLSNPCGPGTCTDHVASFTC  
 TCPPGYGGFHCEQDLPDCSPSSCFNGGTCTVDGVNSFSCLCRPCYTGHAHCQHEADPCLSRPCLHGGVCSAA  
 HPGFRCTCLESFTGPQCQTLVDWCSRQCQNGGRCVQTGAYCLCPPGWSGRLCDIRSLPCREAAAQIGVR  
 LEQLCQAGGQCVEDESSHYCVCEGRTGSHCEQEVDPCAQPCQHGGTCRGMGGYMCECLPGYNGDNCE  
 DDVDECASQPCQHGGSCIDL VARYL CSCPPGTLGVLCEINEDDCGPGPPLDSGPRCLHNGTCDVLVGGFR  
 CTCPPGYTGLRCEADINECRSGACHAAHTRDCLQDPGGGFRCLCHAGFSGPRCQTVLSPCESQPCQHGGQ  
 CRPSPGPGGGLTFTCHCAQPFWGPRCERVARSCRELQCPVGVPCQQTTPRGPRCACPPGLSGPSCRSPFGS  
 PPGASNASCAAAPCLHGGSCRPAPLAPFFRCACAQGWTPRCEAPAAAPEVSEEPRCRAACQAKRGDQR  
 CDRECNSPGCGWDGGDCSLSVGDPWRQCEALQCWRLFNNRCDPACSSPACLYDNFDCHAGGRERTCNPV  
 YEKYCADHFADGRCDQGCNTEECGWDLDCASEVPALLARGVLVLTVLLPPEELLRSSADFLQRLSAILR  
 TSLRFRLDAHQAAMVFPYHRPSPGSEPRARRELAPEVIGSVVMLEIDNRLCLQSPENDHCFDAQSAADY  
 LGALSAVERLDFPYPLRDVRGELEPEPEPSVPLPLLVAGAVLLLVLVLMVARRKREHSTLWFPEGF  
 SLHKDVASGHKGRREPVGQDALGMKNMAKGESLMGEVATDWMDECEPEAKRLKVEEPMGAEAAVDCRQW  
 TQHHLVAADIRVAPAMALTPPQGDADADGMDVNVVRGPDGFTPLMLASFCCGGALEPMPTEEDEADTSASI  
 ISDLICQGAQLGARTDRTGETALHLAARYARADAAKRLLDAGADTNAQDHSGRTPLHTAVTADAQGVFQI  
 LIRNRSTDL DARMADGSTALILAAARLAVEGMVEELIASHADVNAVDELGKSALHWA AVNNVEATLALLK  
 NGANKDMQDSKEETPLFLAAREGSYEA AKLLLDFANREITDHLDRLPDVAQERLHQDIVRLLDQPSGP  
 RSPPGPHGLPGLLCPGFAFLPGLKAAQSGSKSRPPGKAGLGPQGRGRGKCLTACPGPLADSSVTL S  
 PVDSLDSRPFPGPPASPGGFLEGPYAAATATAVSLAQLGGPGRAGLGRQPPGGCVLSLGLLNPVAVPL  
 DWARLPPAPPGPSFLLPLAPGQQLLNPGTVPSPQERPPPYLAVPGHGEEYPAAGAHSSPPKARFLRVPS  
 EHPYLTPSPESPEHWASPPSLSDWSESTPSPATATGAMATTTGALPAQPLPLSVPSLAQAQTQLGPQ  
 PEVTPKRQVLA

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

**RefSeq:**

[NP\\_000426](#)

**RefSeq Size:**

6963 bp

**RefSeq ORF:**

6966 bp

**Locus ID:**

4854

**Cytogenetics:**

19p13.12

**Domains:**

NL, EGF\_CA, ANK, EGF, EGF

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Dorso-ventral axis formation, Notch signaling pathway

**MW:** 255.3 kDa

**Gene Summary:** This gene encodes the third discovered human homologue of the *Drosophila melanogaster* type I membrane protein notch. In *Drosophila*, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL). [provided by RefSeq, Jul 2008]