

Product datasheet for **SC126277**

C19orf46 (SYNE4) (BC052573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf46 (SYNE4) (BC052573) Human Untagged Clone
Tag:	Tag Free
Symbol:	C19orf46
Synonyms:	FLJ36445
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC052573 edited
TTCGGCACGAGGCTCCAGCGGAGGAGCTCTGGGACACCCTTGTCTAGGGAAGAGGTCTTA
CTGGCTGCCCTCACCTGACTTTGTGTCCCGAGGCCCCAGCCATGGCCCTGTCCCTGCCT
CTGGGCCCTAGACTTGGCTCAGAGCCCCCTCAACCACCCACCGGGAGCACCTAGAGAGGCG
GACATTGTTGGATGCACCGTCTGCCCGCGTCCGAGAGGAGAGCACGAGCCAGAGCAG
GCCAGACCCTGGGACAGGACTCCTTGGGCCCTCCTGAGCACTTCAGGGTGGCCAAGG
GGCAATGAGCCTGCCGCTCACCCCGAGATGGTCAACACCCTTCTCCTACGAGGACCCA
GCTGGGGCAAACACTGTGAGGTGTTGAGGAGGCCAACACGCTGGACCAGGACTTGGAG
GTCGAGGGAGACTCGGACTGGCCAGGACCTGGTGGGTCTGGGGCCCTGGGCACCCAGT
AGCCTCCCCTTCCACAGAGTTGGAGTGGATCCGGCGGGGACATTGGGGCCTTGGG
CCCTTGGGACAAAAGACAGCCCGGACACTAGGAGTGCCCTGTGAGCTGTGTGGCCACAGG
GGCCCCAGGGCAGGGGACAAGGCCTTGAGGAAGCAGACACCTCTCACTCCCAGCAGGAC
ATGCTGGAGTCTGGCCTCGGCCACCAGAAACGCTTAGCACGTACCAAAGACACTCCCTG
CTCCGGAAGCCTCAGGACAAGAAGAGGCAAGCATCTCCTCATCTCCAGGATGTGAGGCTG
GAGGGGAATCCAGGGGCCCGATCCTGCATCCAGGCAGCCTCTGACCTTCTCCTTATC
CTTCTCCTCTTCTCCTCCTGGTGGGTGCCATGTTTCTCCTGCCCGGTGAGGAGGC
CCCTGTGCTCTCATGCCGAATACCCAGGACACCCTACCTGGTGCTCAGCTATGTCAAT
GGTCTTCCCCAGTCTGATGTGTGTAATAAATGGTCACTGTCAAAAAAAAAAAAAAAAAA
AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC052573 unedited NGGTTTCAGATTTTGTATACGACTCACTATAGGCGGCCGCGNAATTTCGCACGAGGCTCCAG CGGAGGAGCTCTGGGACACCCCTTGGGTAGGGAAGAGGTCTTACTGGCTGCCCTCACCTGA CTTTGTGTCCCCAGGCCCCAGCCATGGCCCTGTCCCTGCCTCTGGGCCCTAGACTTGGC TCAGAGCCCTCAACCACCCACCGGGAGCACCTAGAGAGCGGACATTGTTGGATGCACC GTCTGCCCCGCGTCCGGAGAGGAGAGCACGAGCCAGAGCAGGCCAGACCCTGGGACAG GACTCCTTGGGCCCTCTGAGCACTTCCAGGGTGGGCCAAGGGGCAATGAGCCTGCCGCT CACCCCCGAGATGGTCAACACCCTTCTCCTACGAGGACCCAGCTGGGGGCAAACACTGT GAGGTGTTTCGAGGAGGCCAACACGCTGGACCAGGACTTGGAGGTCGAGGGAGACTCGGAC TGGCCAGGACCTGGTGGGGTCTGGGGCCCTGGGCACCCAGTAGCCTCCCCACTTCCACA GAGTTGGAGTGGGATCCGGCGGGGGACATTGGGGCCCTTGGGCCCTTGGGACAAAAGACA GCCCGGACACTANGAGTGCCCTGTGAGCTGTGTGGCCACAGGGGGCCCCANGGCAGGGGA CAAGGCCCTTGAGGAAGCAGACACCTCTCACTCCCGACAGGACATGCTGGAGTCTGGCCTC NGCCACCANAAACGCTTAGCACGTACCAAAGACTCCCTGCTCCCGGAGCCTCAGGAC AAGAGAGGCAAGCATCTCCTCATCTCCAGGATGTGAGGCTGGAGGGGAATCCAGGGGCC CCGATCCTGCATNCAAGCAGCCTCTGACCTTCTCCTATNCTTNTCTCCTTCTCTCCC CTGGGGGGGCCATGTTTCTCCTGCCCGTCAGGAGGC
Restriction Sites:	Please inquire
ACCN:	BC052573
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:	BC052573.1 , AAH52573.1
RefSeq Size:	1026 bp
RefSeq ORF:	873 bp
Locus ID:	163183
Cytogenetics:	19q13.12
Protein Families:	Transmembrane

Gene Summary:

This gene is a member of the nesprin family of genes, that encode KASH (Klarsicht, Anc-1, Syne Homology) domain-containing proteins. In addition to the KASH domain, this protein also contains a coiled-coil and leucine zipper region, a spectrin repeat, and a kinesin-1 binding region. This protein localizes to the outer nuclear membrane, and is part of the linker of nucleoskeleton and cytoskeleton (LINC) complex in the nuclear envelope. LINC complexes are formed by SUN (Sad1, UNC-84)-KASH pairs, and are thought to mechanically couple nuclear components to the cytoskeleton. Mutations in this gene have been associated with progressive high-frequency hearing loss. The absence of this protein in mice also caused hearing loss, and changes in hair cell morphology in the ears. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]