

Product datasheet for **SC307662**

Nance Horan Syndrome Protein (NHS) (NM_198270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nance Horan Syndrome Protein (NHS) (NM_198270) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nance Horan Syndrome Protein
Synonyms:	CTRCT40; CXN; SCML1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198270, the custom clone sequence may differ by one or more nucleotides

```

ATGCCTTTTCGCCAAGCGGATCGTGGAGCCGCAATGGCTGTGCAGGCAGCGCGCCCTGCG
CCCGGCCAGCAGTGGACGCGAGCGGAGGCAGCGCTGAGCCGCCGCCCTTGACGCCG
CCGGGCCGAGGGACCTGGACGAGGTGAGGCGCCAGGGCCAGAGGAGCCAGCCGCGCC
GTCCCTGCACCTTCAGGGCTGCCACCGCCGCCGCCACTGCCCGCGCCGGCCGACCAG
ACTCAGCCGCCGACGGAGAGGCGTCCGTGGCTGGCGAGGAGAGCACGGCGGGGATCCCG
GAGGCGGCGCCCGCAGCCGGCGAGGCGTCTCGCGGGCGGGCGGGCGGGCGGTGCTGCTC
ATGCTGGACCTATGCGCGGTGAGCAACGCCGCTCTGGCCCGTGTCTCCGGCAGTCTCG
GACGTGGCCCGCAGCTTGCAGCCTCTTCCAGGAGCTCGAGAGCGACATCCAGCTCACC
CACCGCCGCGTCTGGGCGCTGCAGGGCAAGCTCGGCGGGCTGCAGCGCGTCTCAGCAGC
CTTGACCCTAAGCAGGAGGAGTGGCCGTCTCCAACCTGGACATAGAGAGTAAGCTGAGT
GTGTACTACCGCGCCCGTGGCACCAGCAGCGCAACATCTTCTCCAGCCACAAGGCCA
CCCTGCGTGGAGGAGTGCACCGCCACGCCCGGAGAGCTGCAAGCCCTGCGCAGAGAA
CACCGGAGCCGGAGCGATCGCCGAGAGCAAGAGCAGCTGCCCCCTTTCCATTGCAGCT
CCTCCACTGCCAGCCTACCCTCCAGCTCACAGCCAGAGGAGGCGTGAGTTAAGGACCGT
CACTTTTAAACGTCCCATCCCCAGAGGATGAAGATACAGATGTCATGTTAGGGCAGAGG
CCGAAAAACCCAATACACAATATCCCTTCCACACTGGACAAGCAGACCAACTGGAGCAAA
GCACTACCTCTCCGACGCCAGAGGAGAAGATGAAACAAGATGCCCAAGTGATTTCTTCT
TGCATTATTCCCATCAATGTTACTGGAGTTGGCTTTGACAGAGAGGCTAGTATACGCTGC
TCTCTGGTTCAATCACAATCGGTACTACAGCGGAGACGAAAATTGAGGAGGAGGAAAACC
ATCTCGGGTATCCCCAGAAGAGTTCAACAAGAAATAGATTCTGATGAATCACCAGTGCC
AGGGAAGGAATGTGATTGTGCACACAAACCCAGACCCCTCCAACACTGTCAATAGGATA
TCCGGAACAGGACTCTGAGTGCCAAACCGAGGATATTCTGATTGCTGCCCCATCCAGA
AGGAGAATCAGAGCTCAAAGGGTCAAAGCATTGCAGCTTCCCTTCTCATTCTGCTGGC
AACATTTCTGCCCTAGCAGACAAAGGTGACACCATGTTTACTCCTGCAGTGAGCAGCCGC
ACAAGATCTCGGAGCCTTCCCCGGGAAGGTAATAGAGGTGGGGATGCTGAGCCCAAAGTT
GGCGCTAAACCCTCAGCATATGAAGAGGGAGAGTCTTTTGTGGGTGACCATGAAAGAACC
CCTAATGATTTCAGTGAGGCTCCAAGCAGCCCGAGTGCCAGGACCACCAGCCTACTTTG
GGCCTGGCCTGCTCTCAACATCTTACAGCCCCCAGCACAAATTAAGTGAGAGGGGAAGG
TCACGTCTGTCCGAATGGCTGCTGACTCTGGCAGCTGTGACATCTCTCCAACCTCAGAC

```



[View online »](#)

ACGTTTGGGAGCCCCATCCACTGCATCTCCACGGCTGGCGTCCTCCTTAGCAGCCACATG
 GACCAGAAAGATGACCACCAGTCATCCAGTGGCAACTGGAGTGGGAGCAGCTCCACGTGC
 CCCTCGCAGACCTCAGAAACCATCCCTCCTGCAGCTTCTCCTCCACTCACTGGCTCTTCA
 CACTGTGACTCGGAGTTGTCACTAAACACAGCCCTCATGCCAATGAGGATGCCAGTGTT
 TTCGTGACAGAGCAATAAATGACCACTTGGATAAAGTGAAGGCCATCGGGCAAACCTC
 TTTACCTCCACTGTTGCAGACCTGCTGGATGATCCCAACAACAGCAACACAAGTGACAGT
 GAGTGGAATTACCTACACCACCACCATGATGCCTCCTGCCGCCAGGATTTTAGCTCTGAG
 CGTCCCAAGGCAGACAGCCTGGGCTGCCAAGCTTCACAAGCATGGCCACTTATGACAGC
 TTTCTGGAAAAGTCTCCATCAGACAAAGCGGACACTAGCTCTCACTTTTTCAGTAGACAG
 GAAGGATACTATACCTCCATGCACCTTGTGCTGTGGTCTCAAAGGTAATAAGAGCTATGTC
 TGTCACTATGCAGCCCTGGGCCAGAGAATGGCCAGGGTGTAGGGGCTTCCCCTGGTCTT
 CCAGATTGTGCCTGGCAGGACTACTTAGACCACAAGAGGCAGGGAAGACCAAGCATCTCT
 TTCAGGAAACCAAGGCAAGGCCGACCCACCTAAACGTAGCTCATCATTGAGGAAGTCT
 GATGGAACGCAGATATTTCTGAGAAGAAAGAACCAAGATAAGCAGTGGTCAGCACCTG
 CCTCACAGTTCAGGGAAATGAAGCTGCCTCTTGATTTCCGCAACACGCCTTCTCGAATG
 GAAACGCCAATCTTCCACCAAGCAGGAACCTTCTTGGATAAACAGAGTGAAACAGGC
 ATTAAGGAACCTCAGTTAGATGCTTCGGATATTCCACCATTCAAAGATGAAGTTGCCGAA
 TCCACACACTATGCAGACCTCTGGCTCCTAAATGACTTGAACAAATATGATCCTTATAGA
 TCTCTATCTAATTCAAGCACCGCTACGGGTACACAGTCATTGAATGCATCAAATCTCCA
 GAGAGCTCTGAATCCCAACATCACAATCAGAATCAAGAGCCACCACCCCATCTCTTCT
 TCTGTTGACAATGAGTTTAACTGGCTTACCAGAAAAGCTGGCTGGCTTGGCATCTCCA
 TCAAGTGGCTATTCAAGCCAGTCTGAAACGCCAACATCCTCTTTCCCTACAGCTTTCTTT
 TCAGTCCATTGTCTCCCGGAGGTAGCAAAAGAAAACCTAAAGTCCGAGAAAGAAAATCC
 TCACTACAGCAACCCCTCTTTAAAGATGGAATATATCACTGAGTAAAGACCTTGAACTT
 CCAATTATACCTCTACCATCTTGATCTAAGTGTCTTCATAATGTCTTGAACAAACCA
 TTCCACCACCGTCATCCACTGCATGTTTTTACTCATAATAAGCAGAACACAGTAGGAGAA
 ACACTGAGGTGCAATCTCCACCGTCCCTTGCAATTACACCAACGATCCTGAAATCTGTT
 AACCTTAGGTCCATCAACAAGTCTGAAGAAGTTAAGCAAAAGAAAGAAACAATACAGAT
 CTCCCTTATTTAGAGGAAAGCACACTCACAACGGCTGCCTTGTCTCCAAGTAAGATTAGG
 CCGCATACAGCAAATAAATCAGTATCTCGTCAATACTCCACTGAAGACACCATACTGTCC
 TTTTGTAGCTCTTCTGCAGTTGAGATGGGACCAGATAAACTACATTTAGAAAAAACTCT
 ACTTTTGTGTGAAGAATCGCTGCGATCCAGAAACCATAACATCAGCTGGTAGCAGTCTT
 CTAGATTCAAATGTCACAAAAGACCAAGTGCCTACAGAGACTGAGCCTATTCCAGAAAAAC
 ACGCCAACCAAAAACCTGTGCTTTTCCCACAGAAGGATTTAGAGGGTCTCTGCTGCCCGC
 CCAATGATTTGGATGGTAAAATAATACAATATGGACCTGGTCCAGACGAAACCTAGAA
 CAGGTACAGAAGGCACCTCTGCAGGTCTGGAGGAAGTTGCACAACTGAATCTGTGGAT
 GTAATCACATCTCAGTCAGACTACCAACTAGAGCAACAGATGTAAGCAATCAATTTAAG
 CATCAATTTGTTATGAGCCGCCACCATGACAAAGTGCCTGGTACTATCAGCTATGAATCG
 GAGATAACATCTGTAAATTCATTCCCTGAAAAATGTTCCAAGCAGGAAAAATTTGCTTCA
 GGTATTTAGCCAAAAGTGCCTCTGATAACAGCAAAAGCAGAGGAGACCCAAAGGAAATGTG
 GATGAGGCTTCATTGAAAGAATCATCACCGAGTGATGACTCCATCATTTACCACTTAGT
 GAAGACTCCCAAGCTGAAGCAGAGGGTGTGTTCTGTCTCCAAACAAACCTCGAACAACT
 GAGGATTTATTTGCAGTCATTACAGATCCAAGAGGAAAGTACTTGGAAGAAAAGATTCC
 GGGGACATGTCTGTTGGAAGCAATCGAGAGCTCCCTCAGCAGTAGCAGCAGCAGCGCC
 AGTTCCATCACTTCACCAGCAGTAATGTGACAACCCCAACAGCCAGAGGTCTCCTGGT
 CTCATATACCGAAATGCCAAAAGTCCAACACATCCAATGAAGAGTTAAGCTGTACTG
 CTCAAGAAAGGCAGTCGCTCAGATTCTAGTTACCGCATGTCTGCCACTGAGATCCTGAAG
 AGCCCCATACTGCCAAACCTCCTGGGGAGCTCACAGCAGAGTCCCTCAGAGCACCGAT
 GATGCCCATCAGGGGTACAAGGGGCTGAGGCATTGTCCCACTCTCTCCATGCTCCCCA
 CGAGTTAATGCAGAAGGCTTTTCTCGAAGAGCTTTGCCACCTCAGCATCAGCAAGGGTT
 GGACGTTCTCGGGCCCTCCTGCAGCCAGCAGCAGCCGCTACAGTGTCCGCTGCCGGCTG
 TACAATACGCCCATGCAGGCAATCTCCGAGGGAGAGACGGAAAATTCTGACGGGAGCCCA

CATGACGACCGTTCCTCCAGAGTTCAACATAG

Restriction Sites:	Please inquire
ACCN:	NM_198270
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_198270.2</u> , <u>NP_938011.1</u>
RefSeq Size:	8776 bp
RefSeq ORF:	4893 bp
Locus ID:	4810
UniProt ID:	<u>Q6T4R5</u>
Cytogenetics:	Xp22.2-p22.13
Gene Summary:	This gene encodes a protein containing four conserved nuclear localization signals. The encoded protein functions in eye, tooth, craniofacial and brain development, and it can regulate actin remodeling and cell morphology. Mutations in this gene have been shown to cause Nance-Horan syndrome, and also X-linked cataract-40. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2014] Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 5' coding region, compared to variant 3, resulting in an isoform (1) that is shorter than isoform 3.