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Product datasheet for RC227415

Nance Horan Syndrome Protein (NHS) (NM_001136024) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nance Horan Syndrome Protein (NHS) (NM_001136024) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nance Horan Syndrome Protein
Synonyms:	CTRCT40; CXN; SCML1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC227415 representing NM_001136024
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

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Protein Sequence:

>RC227415 representing NM_001136024
Red=Cloning site Green=Tags(s)

MALACCMPKNAAVSNLDIESKLSVYYRAPWHQQRNIFLPATRPPCVEELHRHARQSLQALRREHRSRSDR
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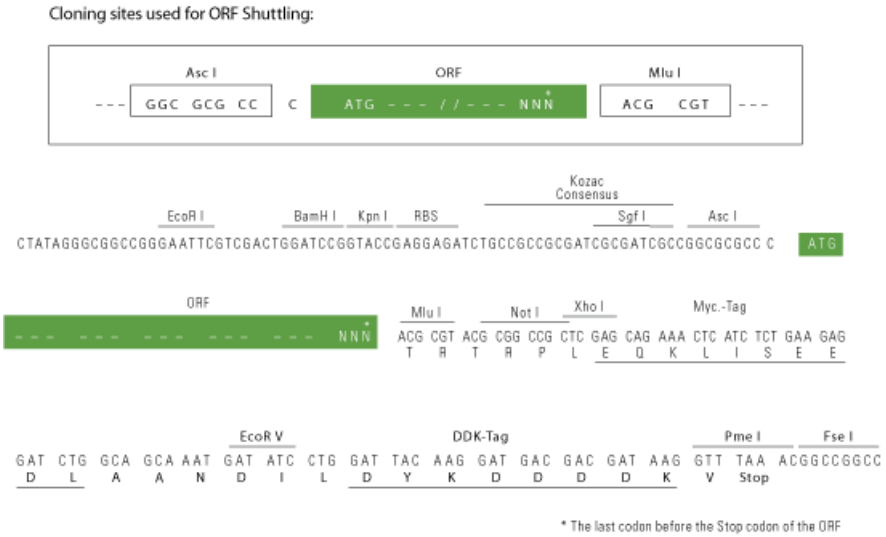
Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001136024

ORF Size: 4422 bp

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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:	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_001136024.4
RefSeq ORF:	4425 bp
Locus ID:	4810
UniProt ID:	Q6T4R5
Cytogenetics:	Xp22.2-p22.13
MW:	160.6 kDa
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]

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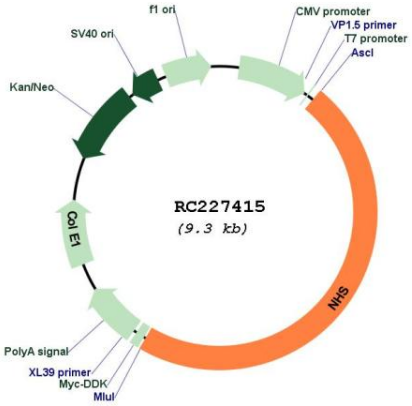
Product images:



Circular map for RC227415

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