

Product datasheet for SC212742

Nephrin (NPHS1) (NM_004646) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Nephrin (NPHS1) (NM_004646) Human 3' UTR Clone
Symbol:	Nephrin
Synonyms:	CNF; nephrin; NPHN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004646
Insert Size:	1172 bp
Insert Sequence:	>SC212742 3'UTR clone of NM_004646 The sequence shown below is from the reference sequence of NM_004646. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCCTTCGAGCTGAGGGGACATCTGGTGTTAAGAGCCCTCTCAACCCATTGTCTGCACCTGCAGGAATT
TACACTCCACTGGTCTCTCTCATTACAGCCTGGGCCGAGCTGGTTAGGTGAGCTCCATAAAACCCAAAG
GGACTTGGTGTGACGAGAGGACATGGAGGGGGCTGAGTGACAGAGATGGTTCAGCTGGTACCAGAGTAG
AAACAAGGTGCATCCTGGGGTTGGCTTTAGAACTAACTTCTCCAAAAGGACAGGGCAGATTGTAAC
GTCGTCTCAAAAATGAAATGCTGCCGGGTGCGGTGACTCAGCCTATAATCCAGCACTTTGGGAGGCT
GAGGCGGGTGGATCACCTGAGGTGAGGAGTTCGAGACCAGCCTGGCCAACATGGTAAAACTCCATTTCT
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TGCATGAGAATTGCTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCTGAGATCACGCCACTGCACTCCAG
CCTGGGCGACAGAGCGAGATTCTGTCTCAAAAATAAAAAATAAAAAATAAAAAATAAAATGCTAT
TCTGAGGGTCCCTAAGTGCTTCATGAAGTAAAGTTTTAGAAAGTGGGAAAGACATATGAAAACTCTG
TTCATTTTGCATTCCATGACGTCTGAAATAGCTAATAAAGTGAATTTATGAATCCATGTTGCATCC
TACCTATTATTTTATTATTTCCGACAGTTATCTAACACAGGAGGCATAAACTATGACACATGTAACAT
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AGGTTTCTGGGGCCATGAGAGGAGGTTGACTGCAAAAAGGCATGGGAGAACTTTCTGAGGTGTTGGA
AATATTCTATATAACGATTGTGGTGGTGGTGCACGGGTGCACAGATTTGTCAAACTCATTGAACCTT
ACACTTAAGATGGGTGCATTTTTATTGTACATAAATGATATCTCAATAAAAGTGATTTTAAAAACAGG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_004646.4</u>
Summary:	This gene encodes a member of the immunoglobulin family of cell adhesion molecules that functions in the glomerular filtration barrier in the kidney. The gene is primarily expressed in renal tissues, and the protein is a type-1 transmembrane protein found at the slit diaphragm of glomerular podocytes. The slit diaphragm is thought to function as an ultrafilter to exclude albumin and other plasma macromolecules in the formation of urine. Mutations in this gene result in Finnish-type congenital nephrosis 1, characterized by severe proteinuria and loss of the slit diaphragm and foot processes.[provided by RefSeq, Oct 2009]
Locus ID:	4868
MW:	43.4