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Product datasheet for SC116946

Nuclear Matrix Protein p84 (THOC1) (NM_005131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuclear Matrix Protein p84 (THOC1) (NM_005131) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nuclear Matrix Protein p84
Synonyms:	HPR1; P84; P84N5
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC116946 sequence for NM_005131 edited (data generated by NextGen Sequencing)

ATGTCTCCGACGCCGCCGCTCTTCAGTTTGCCCGAAGCGCGGACGCGGTTTACGAAGTCT
ACCAGAGAGGCCTTGAACAACAAAAACATCAAGCCATTGTTAAGTACCTTCAGCCAGGTA
CCTGGCAGTGAAAATGAAAAAAAATGTACCCTTGACCAAGCTTTCAGAGGTATTCTAGAA
GAAGAAATTATAAATCATTCATCATGTGAAAACGTTTTAGCTATTATTTCTCTTGCTATT
GGGGGAGTAACTGAAGGTATTTGTACCGCATCTACACCTTTTGTATTGTTGGGAGATGTT
TTGGATTGTCTTCCTTTGGATCAGTGTGACACAATATTCACTTTTGTGGAAAAAAATGTT
GCTACTTGGAAATCAAATACATTCTATTCTGCTGGGAAAAATTACTTACTACGTATGTGC
AATGATCTCCTAAGAAGATTGTCTAAATCCCAGAATACAGTCTTCTGTGGACGGATTCAG
CTCTTTTTGGCCAGGCTTTTCCCTCTGTCTGAGAAATCAGGTCTTAACTTGCAGAGTCAG
TTTAATCTGGAAAATGTCACTGTTTTCAATACAAATGAGCAGGAAAGCACCCTGGGTCAG
AAGCACACTGAAGATAGAGAAGAAGGAATGGATGTAGAAGAAGGCGAAATGGGAGATGAG
GAAGCTCCAACAACGTGCTCTATTCCAATTGATTACAACCTGTATCGAAAATTCTGGTCA
CTTCAGGATTACTTCAGGAACCCTGTGCAATGCTATGAGAAGATTTCATGGAAAACTTTT
CTCAAGTATTCTGAAGAAGTTTTAGCTGTTTTTAAGAGTTATAAATTAGATGATACTCAG
GCCTCAAGAAAAAAGATGGAAGAATTGAAAACAGGAGGAGAACATGTATATTTTGCAAAA
TTTTTAACAAGTGAAAAGCTGATGGATTTACAACTGAGTGACAGTAACTTTCGTCGACAC
ATCCTGTTGCAGTATCTCATTTTATTCCAATATCTCAAGGGGCAGGTCAAATTCAAAAGT
TCAAACTATGTTTTAACTGATGAGCAATCACTTTGGATTGAAGATACTACAAAATCAGTT
TATCAACTACTATCTGAAAACCCCCCCGATGGAGAAAGATTTTCAAAGATGGTAGAGCAT
ATATTAAACACTGAAGAAAACTGGAACTCGTGGAAAAATGAAGGTTGCCCAAGTTTTGTG
AAAGAAAGAACATCAGATACCAAACCTACGAGAATAATTCGGAAGAGAACAGCACCCGAG
GACTTCCTAGGGAAAGGACCCACCAAAAAAATTCTGATGGGAAATGAGGAGTTAACAAGG
CTTTGGAATCTTTGCCCTGATAATATGGAAGCCTGTAAATCAGAGACAAGGGAACACATG
CCCACTTTGGAGGAATTCTTTGAAGAAGCCATTGAACAGGCAGACCCTGAAAATATGGTG
GAAAATGAATATAAGGCTGTGAACAATTCAAATTATGGTTGGAGAGCCCTGAGACTATTA
GCACGGAGAAGCCCTCACTTCTTCCAGCCAACCAACCAGCAGTTTAAAAGTTTACCAGAA
TATCTTGAAAATATGGTAATAAAGCTAGCCAAGGAATTACCGCCTCCTTCTGAAGAAATA
AAAACAGGTGAGGATGAAGATGAGGAAGATAATGATGCTCTACTGAAGGAAAATGAAAGT
CCTGATGTTCGGCGAGACAAACCTGTAACAGGAGAACAAATAGAGGTATTTGCCAACAAG
CTGGGTGAACAATGGAAGATTCTGGCTCCCTACTTGGAAATGAAAGACTCAGAAATTAGG
CAGATTGAGTGTGACAGTGAAGACATGAAGATGAGAGCTAAGCAGCTCCTGGTTGCCTGG
CAAGATCAAGAGGGAGTTCATGCAACACCTGAGAATCTGATTAATGCACTGAATAAGTCT
GGATTAAGTGACCTTGCAGAAAGTCTAACTAATGACAATGAGACAAATAGTTAG

Clone variation with respect to NM_005131.2
657 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005131 unedited
TAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCAGCCGAGAAGATGTCTC
CGACGCCGCCGCTCTTCAGTTTGCCCGAAGCGCGGACGCGGTTTACGAAGTCTACCAGAG
AGGCCTTGAACAACAAAAACATCAAGCCATTGTTAAGTACCTTCAGCCAGGTACCTGGCA
GTGAAAATGAAAAAAAATGTACCCTTGACCAAGCTTTCAGAGGTATTCTAGAAGAAGAAA
TTATAAATCATTCATCATGTGAAAACGTTTTAGCTATTATTTCTCTTGCTATTGGGGGAG
TAACTGAAGGTATTTGTACCGCATCTACACCTTTTGTATTGTTGGGAGATGTTTTGGATT
GTCTTCCTTTGGATCAGTGTGACACAATATTCACTTTTGTGGAAAAAAATGTTGCTACTT
GGAAATCAAATACATTCTATTCTGCTGGGAAAAATTACTTACTACGTATGTGCAATGATC
TCCTAAGAAGATTGTCTAAATCCCAGAATACAGTCTTCTGTGGACGGATTCAGCTCTTTT
TGGCCAGGCTTTTCCCTCTGTCTGAGAAATCAGGTCTTAACTTGCAGAGTCAGTTTAATC
TGGAAAATGTCACTGTTTTCAATACAAATGAGCAGGAAAGCACCCTGNGTCAGAAGCACA
CTGAAGATAGAGAAGAAGGAATGGATGTANAAGAAGGCGAAATGGGAGATGAGGAAGCTC
AAACAACGTGCTCTATTCCAATTGATTACNACCTGTATCGAAAATTCTGGTCACTTCAGG
GATACTTCANGAANCNNCTGTGCATGCTATGAGAAAGATTCATGGNAAAACTTTCTCAGT
ATCTGAAGAAAGTTTAGCTGTTTTTAAGAGTATAAATAGATGATNCCTCGGCCTCAGAAA
AGATGGNAGAAATGAACAGAGGAGACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005131 unedited
GTACGCGGCCGCTTTTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTCAGAAGTGTTAT
TCTGGGATTTCAGGATAAATTTTGTAAAACTACTAACAAACAACACACAGGGAAACTATA
TTTGGTATAAGAAAACGACATATACCCTAAATAGTGCTTATTTAACTTCATTATAAATAC
ATCTACTTAACAAAAAAATATATTTTGTGATCTTGAGGTCACTTCGTTTAGGTCATTATC
TCAACCCAACCTCCCCAAACTCTGGTTTGAGCCAATATGTGTTCTATTGGTCTCAGAGCA
CCAGCCGACTGTACAACAATTGTTATAAAAATGTTTATTGTTTACCAAAACCAGTGGACC
TCTTATCAAATGCTGCTTGGTAACAAAATCTATCACAGTTTTAATAAAAAGAAAAAAAAA
AGAAGCTAACTATTTGTCTCATTGTCATTAGTTAGACTTTCTGCAAGGGCACTTAATCCA
GACTTATTCAGTGCATTAATCAGATTCTCAGGTGTTGCATGAACTCCCTCTTGATCTTGC
CAGGCAACCAGGAGCTGCTTAGCTCTCATCTTCATGTCTTCACTGTCACACTCAATCTGC
CTAATTTCTGAGTCTTTCATTTCCAAGTAGGGAGCCAGAATCTTCCATTGTTCACCCAGC
TTGTTGGCAAATACCTCTATTTGTTCTCCTGTTACAGGTTTGTCTCGCCGAACATCAGGA
CTTTCATTTTCCTTCAGTAGAGCATCATTATCTTCCTCATCTTCATCCTCACCTGTTTTT
ATTTCTTCAGAAGGAGGCGGTNANTCCTTGGCTAGCTCTATTACCATATTTTCAAGAATT
CTGGTAAACTTTTAACTGCNTGNNTGTTGCTGGAAAANTGAGGNNCTCNCGTGCTATAGT
CTCAAGGCTCTCCACCATAATTNNGATGTCACAGNCTTAATTCATTTCN

Restriction Sites: NotI-NotI

ACCN: NM_005131

Insert Size: 2350 bp

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:	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_005131.1, NP_005122.1
RefSeq Size:	2092 bp
RefSeq ORF:	1974 bp
Locus ID:	9984
UniProt ID:	Q96FV9
Cytogenetics:	18p11.32
Domains:	DEATH
Protein Pathways:	Proteasome, Spliceosome
Gene Summary:	HPR1 is part of the TREX (transcription/export) complex, which includes TEX1 (MIM 606929), THO2 (MIM 300395), ALY (MIM 604171), and UAP56 (MIM 142560).[supplied by OMIM, Nov 2010]