

Product datasheet for SC326524

NUPR2 (NM_001145712) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUPR2 (NM_001145712) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUPR2
Synonyms:	NUPR1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326524 representing NM_001145712. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGAAGCGCCGCAGAGCGGGCGCTTCCACGTCTGCAGGCTCTGGCTCGGCCGCCGCCACCCATAAGC
 TACGAGGAGGAGCTTTACGACTGCCTGGACTACTACTCTGCGCGACTTCCCGCCTGCGGGGCAGGG
 CGCAGCAAGGGCCGACTCGGCGCGAGCAGGCGCTGCGCACCAACTGGCCTGCACCTGGCGGGCACGAG
 CGCAAGGTGCGCGAGAAGCTCCTCAATGCCAGCGCAAGCGCCGCCAGCGCCAGCTGCATCCCAAGATG
 CGCACTCGCCTCACC TGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145712
Insert Size:	294 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).
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.


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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_001145712.1</u>
RefSeq Size:	682 bp
RefSeq ORF:	294 bp
Locus ID:	389493
UniProt ID:	<u>A6NF83</u>
Cytogenetics:	7p11.2
MW:	11.4 kDa
Gene Summary:	Acts as a transcriptional repressor by inhibiting gene expression at the NUPR1 promoter in a p53/TP53-dependent manner in cancer cells (PubMed:25899918). Involved in the G1 cell cycle arrest, and in a decrease in cell viability and cell proliferation (PubMed:25899918). Plays a role as a negative regulator of the protumoral factor NUPR1 (PubMed:25899918). [UniProtKB/Swiss-Prot Function]