

Product datasheet for **SC112973**

Noxa (PMAIP1) (NM_021127) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noxa (PMAIP1) (NM_021127) Human Untagged Clone
Tag:	Tag Free
Symbol:	Noxa
Synonyms:	APR; NOXA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_021127 edited
 GAATTCGGCACGAGGGTAGTTGGCATCTCCGCGCTCCGGACACCCGATCCCAGCATCCC
 TGCTGCAGGACTGTTTCGTGTTCAAGCTCGCGTCTGCAGCTGCCGAGGTGCTCCAGTTG
 GAGGCTGAGGTTCCCGGGCTCTGTAGCTGAGTGGGCGGCGGCACCGCGGAGATGCCTGG
 GAAGAAGCGCGCAAGAACGCTCAACCGAGCCCCGCGGGCTCCAGCAGAGCTGGAAGT
 CGAGTGTGCTACTCAACTCAGGAGATTTGGAGACAACTGAACTCCGGCAGAACTTCT
 GAATCTGATATCCAACTCTTCTGCTCAGGAACCTGACTGCATCAAAAACCTTGCATGAGG
 GGACTCCTTCAAAAGAGTTTTCTCAGGAGTGCACGTTTTCAATTTGAAGAAAGACTG
 CATTGTAATTGAGAGGAATGTGAAGGTGCATTCATGGGTGCCCTTGAAAACGGAAGATGG
 AATACATCAAAGTGAATTTCTGTTCAAGTTTTCCAGATTATCATTCTTTGGGATGAGAG
 AACATTATAAAACCCTTTGTTTATTTAAAGCAAGAATGGAAGACCCCTTGAAAAATAAG
 AAGTAATTATTGACACATTTCTTTTTACTTAGAGAATCGTTCTAGTGTTTTGCCTGAG
 ATTACCGTGGCCTACTGTGAAGGGAGATGACCTGTGATTAGACTGGGCGCTGGGGAGA
 AACAGTTCAGTGCATTGTTGTTGCTGTTTTGGTGTGTTGCTTTTCAGTGCCAACTC
 AGCACATTGTATATGATTCGGTTTATACATATTACCTTGTATAATGAAAAACTCATT
 TGAGAACACTGAAATGTTATACTCAGTGTGATTTCTTCGGTCACTACACACGTAATAA
 CATTTGTTTCTTTGACTCAAATGTATTGCTTCTGTTTCAGATGATCTTTCATTCAATGT
 GTTCTGTTGGGCGTTACTAGAACTATGGAAAACCTGGAAAAACTTTGAAAAATTTGG
 ATAAAGTATAGGAGGGTACTTGGGGCCAGTAAATCAGTAGACTGAACATTCAATATAAT
 AAAAGAACATGGGGATTTTGTATAACCAGGGATAATAAAAAGAAAAAGAAGTTAATTTTT
 AATTGATGTTTTGAACTTAGTAGAACAAATATTCAGAAGTAACTTGATAAGATATGAA
 TGTCTTAAAGAAGTTTCTAAAGGTTCCGAAAAATGCTCCTGTCCACATTAGTGTGCATCC
 TACAAAAAGTGATCTCTTAATGTAATTAAGAATATTTTCATAATTGGAATATACTTTTC
 TAAAAAAAAGGAACAGTTAGTTCTCATCTAGAATGAAAGTTCCATATATGCATTGGTGA
 ATATATATGTATACATACTTACATACTTATATGGGTATCTGTATAGATAATTTGTATT
 AGAGTATTATATAGCTTCTTAGTAGGGTCTCAAGTAAGTTTCATTTTTTTATCTGGGCT
 ATATACAGTCTCAAATAAATAATGTCTTGATTTATTTTCAGCAGGAATAATTTTATTTA
 TTTTGCCTATTTATAATTAAGTATTTTCTTTAGTTTGAAGTGTGATTAAAGTTACA
 TTTTTGAGTTACAAGAGTCTTATAACTACTTGAATTTTTAGTTAAATGTCTTAATGTAG
 GTTGTAGTCACTTAGATGGAAAATTACCTCACATCTGTTTTCTTCAGTATTACTTAAGA
 TTGTTTATTTAGTGGTAGAGAGTTTTTTTTTCAGCCTAGAGGCAGCTATTTTACCATCTG
 GTATTTATGGTCTAATTTGTATTTAAACATATGCACACATATAAAAGTTGATACTGTGGC
 XXXXXXXXXXXXXXXXXXXXXXXXCTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021127 unedited
 TGTTAGATTTGTATACGACTCCTATAGGCGCCCGGATTCCGGCAGGAGGTAGTTGGCA
 TCTCCGCGCTCCGGACACCCGATCCCAGCATCCCTGCCTGCAGGACTGTTTCGTGTTTCAG
 CTCGCGTCTGCAGCTGTCCGAGGTGCTCCAGTTGGAGGCTGAGGTTCCCGGGCTCTGTA
 GCTGAGTGGGCGGCGGCACCGCGGAGATGCCTGGGAAGAAGGCGCAAGAACGCTCAA
 CCGAGCCCCGCGGGCTCCAGCAGAGCTGGAAGTCGAGTGTGCTACTCAACTCAGGAGA
 TTTGGAGACAACTGAACTCCGGCAGAACTTCTGAATCTGATATCCAACTCTTCTGC
 TCAGGAACCTGACTGCATCAAAAACCTTGCATGAGGGGACTCCTTCAAAGAGTTTTCTCA
 GGAGGTGCACGTTTCATCAATTTGAAGAAAGACTGCATTGTAATTGAGAGGAATGTGAAG
 GTGCATTCATGGGTGCCCTTGGAAACGGAAGATGGAATACATCAAAGTGAATTTCTGTT
 AAGTTTTCCAGATTATCATTCTTTGGGATGAGAGAACATTATAAAACCCTTTGTTTAT
 TTTAAAGCAAGAATGGAAGACCCCTTAAAAATAAAGAAGTAAATTTGACACATTTCTTT
 TTACTTAGAGAATCGTTCTAGTGTGTTTTGCCGAAGATTACCGCTGGCCTACTGTGAAGGG
 AGATGACCTGTGATTAGACTGGGCGGCTGGNGAGAACAGTTCAAGTGCATTGNTGNTGTTG
 CTGTTTTTGGTGTGTTTCTTTCAGTGCCAACTCAGCACATTGTATATGAAATCGTTTATA
 CATATTACCTTTGTTATGAAAAACTCATTCTGAAACACTGNNAAATGTATACTCAGTGT
 TGATTNCTTNCGTCTAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_021127 unedited GAGTCGAGTCCTTAA ACAGGGAAAACCTTTAATATTTTACTGCCACAGTATCAACTTTTATTTGGGGGCATTTGT TTAAATACAAATTAACCTTAAATCCCCGAGGGGAAAATAGCTGCCTTTAGGGTAAAAA AAAACCTTTTACCCTAAATAACAATTTAACTAATACTGAAAAAACAATGGGGGGG AATTCTCCATTTAAAGGGACTACAACCTACTTTAAAACCTTTTAACTAAAAATTCAGTA TTTATAAAAACCTTTGGAACATAAAAAATGTAATTTTATCCCCATTTTAAAACATAAAAAA AACCCCTTAATTATAAATCGGCCAACTAAATAAATTTTTTCTGCTGAAATAAACACAAA ACATTTTTTTCTGAGGACGTTTATCCCCATAAAAAAAATGAAATTTATTTGAAACC CTTCTAAAAAGCTTTATAACTTCTACCCAAATTTTTTACCCACCCCTTTACTTTCG CAGCCCGGTTACTTTTTCTTCCAATGTCATAGGAACCCCTCCCAAGAAAATATGT GTCTCTCCTTAACAAAACCTCCCCCTCCGAACTTCTACTTCTTAAAAAACTCTTCG GGGGAGTCATAAGGGCCCGCCATTTTCAACCTTAACTTTTTAAAAACCCCTCCCTT TTCTCTTTATTTATTTTGCTCCCTCTCCCCCTATTACACTTTTTTTCTTTTT TTATACGGGCTCCCATCTTCTCCCCCTTTTTATGCCTATTCTATTCCCGCCACC CCTTTTCCCCCTCTTTTTCTTCTCCCCCTTCTGCTTTATTTCCCTTCCCC CCCTTCCCATTTTCCCCTCCCTCTCTTTTTCTCCCCCCCCCTCTCTTTTCCC CCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_021127
Insert Size:	2090 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:	<ol style="list-style-type: none"> 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_021127.1 , NP_066950.1
RefSeq Size:	1885 bp
RefSeq ORF:	165 bp
Locus ID:	5366
UniProt ID:	Q13794
Cytogenetics:	18q21.32
Protein Families:	Druggable Genome, Stem cell - Pluripotency

Protein Pathways: p53 signaling pathway

Gene Summary: This gene belongs to a pro-apoptotic subfamily within the BCL-2 protein family, referred to as the BCL-2 homology domain 3 (BH3)-only subfamily, which determine whether a cell commits to apoptosis. In response to death-inducing stimuli, BH3-only members inhibit the anti-apoptotic BCL-2 family members, which under steady-state conditions keep the multi-BH domain proteins BAX and BAK, in an inactive state. [provided by RefSeq, Aug 2020]