

Product datasheet for **SC114729**

KIAA0020 (PUM3) (NM_014878) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0020 (PUM3) (NM_014878) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0020
Synonyms:	HA-8; HLA-HA8; KIAA0020; PEN; PUF-A; PUF6; XTP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114729 sequence for NM_014878 edited (data generated by NextGen Sequencing)

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ATGGAAGTTAAAGGGAAAAAGCAATTCACAGGAAAGAGTACAAAGACAGCACAAGAAAA
AACAGATTTCAAAAAATAGTGATTCTGGTTCTTCAAAGACATTTCCAACAAGGAAAGTT
GCTAAAGAAGGTGGACCTAAAGTCACATCTAGGAACTTTGAGAAAAGTATCACAAAATT
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AAATTCAGCCGGCAAATAAATTCACAAGAAGAGAAAAATTCAGCCAGATGGTAGAAGC
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AAGCAAAGCAGACAACACTAGTGATAAAAACCAACTATGACATTGTTGTTCCGGCAAAGCAG
ATGTGGGAGATTTAAGAAGAAAAGACTGTGACAAAGAAAAAGAGTAAAGTTAATGAGT
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CGTGTGATCCAGTGTTACATTAGTATGGTAATGAAGAACAGAGAAAACAGGCTTTTGAA
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CACGTGAGGAAGATGCTGCGGCATGCGGAAGCATCAGCCATCGTGGAGTACGCATACAAT
GACAAAGCCATTTTGGAGCAGAGGAACATGCTGACGGAAGAGCTCTATGGGAACACATTT
CAGCTTTACAAGTCAGCAGATCACCGAACTCTGGACAAAGTGTAGAGGTACAGCCAGAA
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GTGGTGTAGATAAGTCTGCGTGTGTGTTGGTGTCTGACATTCTGGGATCTGCCACTGGA
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GGCAAGGACGGAGAGCTTACATTGCAGAACATCCTGCAGGACATCTAGTTCTGAAGTGG
TTAATAGAGCAAGATAAAAAGATGAAAGAAAATGGGAGAGAAGGTTGTTTTGCAAAAACA
CTTGATAGAGCATGTTGGTATGAAGAACCCTGAAGTCTGGGCTAGTGTAATCGAGGTGCC
ATTATTCTTTCTAGCCTCCTCCAGAGTTGTGACCTGGAAGTTGCAACAAAGTCAAAGCT
GCACTGAAAAGCTTGATTCTACATTGGAAAAAACCAAAAGCACCAGCAAAGGAATAGAA
ATTCTACTTGA AAAACTGAGCACATAG
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Clone variation with respect to NM_014878.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014878 unedited
 ATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCAC
 GAGGGGATCCGCTGCGCGAGCTGTCTCGGTCCCACGTGTGCGAGTTGCTACGATGGAAGT
 TAAAGGGAAAAAGCAATTCACAGGAAAGGTACAAAGACAGCACAAGAAAAAACAGATT
 TCATAAAAATAGTGATTCTGGTTCTTCAAAGACATTTCCAACAAGGAAAGTTGCTAAAGA
 AGGTGGACCTAAAGTCACATCTAGGAACCTTTGAGAAAAGTATCACAAAACCTGGGAAAAA
 GGGTGTAAAGCAGTTCAAGAATAAGCAGCAAGGGGACAAATCACCAAGAACAATTTCCA
 GCCGGCAAATAAATTCAACAAGAAGAGAAAATTCAGCCAGATGGTAGAAGCGATGAATC
 AGCAGCCAAGAAGCCAAATGGGATGACTTCAAAAAGAAGAAGAAAGAACTGAAGCAAAG
 CAGACAACTCAGTGATAAAACCAACTATGACATTGTTGTTGCGGGCAAAGCAGATGTGGGA
 GATTTTAAAGAAGAAAAGACTGTGACAAAGAAAAAGAGTAAAGTTAATGAGTGATTTGCA
 GAAGTTGATTCAAGGGAAAATTAACACTATTGCATTTGCACACGATTCAACTCGTGTGAT
 CCAGTGTTACATTCAGTATGGTAATGAAGAACAGAGAAAACAGGCTTTTGAAGAATTGCG
 AGATGATTTGGTTGAGTTAAGTAAAGCCAAATATTCGAGAAATATTGTTAGGAAAATTCT
 CATGTATGGAAAGTAACCCAGATTGCAGAGATAATCACAAAGTTTAAAGGGCCACCTGA
 AGGAAAATGCCTGCNGCATGCGGAACCATCACCATCCGTGAAGTACCCATACAATGACC
 AAGCCATTTTGAAGCANAGAAACTGCTGACGGAAGACTTATGGGACAACATTTACTTTAC
 AGTCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014878 unedited
 TGGACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACCATTAAAAAAA
 CAATTTATATAAATAGATTCGTATACAAAGAAGAAACACATATACAGAGTACCCCAATTA
 CCAGTATGGTGGACCCTACCCCTTCTTTTCTGCATTGGGAAACAGAACAGAGAACAGAAA
 AAATCATTCCATCTTGCTCTTAACCTCTTTCCACCTATGTGCTCAGTTTTTCAAGTAGAAT
 TTCTATTCCTTTGCTGGTCTTTTGGTTTTTCCAATGTAGGAATCAAGCTTTTCAGTGC
 AGCTTTGACTTTGTTTGAACCTCCAGGTCACAACCTCTGGAGGAGGCTAGAAAAGAATAAT
 GGCACCTCGATTTACACTAGCCCAGGACTTCAGGTTCTTCATACCAACATGCTCTACAAG
 TGTTTTTGCAAAACAACCTTCTCTCCATTTTCTTTTCTTTTATCTTGCTCTATTAA
 CCACTTCAGAAGTAGATGCTCCTGCAGGATGTTCTGCAATGTGAAGCTCTCCGTCCTGCC
 ACCAGATGCAGTCTCTGTTGCTGCAAGCTGGCGATGGCATTATGGTAGGCTGAACGTC
 TCCAGTGGCAGATCCAGAATGTACAGACCAACACACACGAGACTTATCTAGCACCCA
 CCNCTTTGGGCGTGTTCTTGCAGGTAGCTTAACAAAGCTGGAGAAATGGATTCTAGGAGC
 CTCCGCTGCGGACCTCTGGATCTTCTTACTGTGTGCTTTCCATCTCCTTTTGCAGAAC
 TCAAAGATTCTGTACCGAATTGCAGGATCTCTGGGGCTAATAAGTACAAAAGACCCTCC
 TTCATATTGGCATTACCAAGCAAGGCCAGAACGGTAAATCCCGAATGATATCTGCTTCAAG
 CTAATCATCAACACAATGCCGCCGA

Restriction Sites:

NotI-NotI

ACCN:

NM_014878

Insert Size:

2320 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_014878.3 , NP_055693.3
RefSeq Size:	2112 bp
RefSeq ORF:	1527 bp
Locus ID:	9933
UniProt ID:	Q15397
Cytogenetics:	9p24.2
Domains:	PUF
Gene Summary:	Inhibits the poly(ADP-ribosyl)ation activity of PARP1 and the degradation of PARP1 by CASP3 following genotoxic stress (PubMed:21266351). Binds to double-stranded RNA or DNA without sequence specificity (PubMed:25512524). Involved in development of the eye and of primordial germ cells (By similarity).[UniProtKB/Swiss-Prot Function]