

## Product datasheet for **SC322348**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322348  
 ATGGAAGTTAAAGGGAAAAAGCAATTCACAGGAAAAGAATACAAAGACAGCACAAGAAAA  
 AACAGATTTTCATAAAAAATAGTGATTCTGGTTCTTCAAAGACATTTCCAACAAGGAAAGTT  
 GCTAAAGAAGGTGGACCTAAAGTCACATCTAGGAACTTTGAGAAAAGTATCACAAAACCT  
 GGGAAAAAGGGTGTAAAGCAGTTCAAGAATAAGCAGCAAGGGGACAAATCACCAAAGAAC  
 AAATCCAGCCGGCAAATAAATTCACAAGAAGAGAAAAATCCAGCCAGATGGTAGAAGC  
 GATGAATCAGCAGCCAAGAAGCCAAATGGGATGACTTCAAAAAGAAGAAGAAAGAACTG  
 AAGCAAAGCAGACAACCTCAGTGATAAAACCAACTATGACATTGTTGTTCCGGGCAAAGCAG  
 ATGTGGGAGATTTTAAGAAGAAAAGACTGTGACAAAGAAAAAAGAGTAAAGTTAATGAGT  
 GATTTGCAGAAGTTGATTCAAGGGAAAATTAACCTATTGCATTTGCACACGATTCAACT  
 CGTGTGATCCAGTGTACATTAGTATGGTAATGAAGAACAGAGAAAACAGGCTTTTGAA  
 GAATTGCGAGATGATTTGGTTGAGTTAAGTAAAGCCAAATATTCGAGAAATATTGTTAAG  
 AAATTTCTCATGTATGGAAGTAAACCACAGATTGCAGAGATAATCAGAAGTTTTAAAGGC  
 CACGTGAGGAAGATGCTCGGCATGCGGAAGCATCAGCCATCGTGGAGTACGCATACAAT  
 GACAAAGCCATTTGGAGCAGAGGAACATGCTGACGGAAGAGCTCTATGGGAACACATTT  
 CAGCTTTACAAGTCAGCAGATCACCCAACCTCTGGACAAAAGTGTAGAGTTACAGCCAGAA  
 AAATTAGAACTTATTATGGATGAAATGAAACAGATTCTAACTCCAATGGCCCAAAAGGAA  
 GCTGTGATTAAGCACTCATTGGTGCATAAAGTATTCTTGGACTTTTTTACCTATGCACCC  
 CCCAAACTCAGATCAGAAATGATTGAAGCCATCCGCGAAGCGGTGGTCTACCTGGCACAC  
 ACACACGATGGCGCCAGAGTGGCCATGCACTGCCTGTGGCATGGCAGCCCAAGGACAGG  
 AAAGTGATTGTGAAAACAATGAAGACTTATGTTGAAAAGTGGCTAATGGCCAATACTCC  
 CATTTGGTTTTACTGGCGCATTTGATTGTATTGATGATACTAAGCTTGTGAAGCAGATA  
 ATCATATCAGAAATTATCAGTTCAATGCCTAGCATAGTAAATGACAAATATGGAAGGAAG  
 GTCCTATTGTACTTACTAAGCCCCAGAGATCCTGCACATACAGTACGAGAAATCATTGAA  
 GTTCTGCAAAAAGGAGATGGAAATGCACACAGTAAGAAAGATACAGAGGTCCGCAGACGG  
 GAGCTCCTAGAATCCATTTCTCCAGCTTTGTTAAGCTACCTGCAAGAACACGCCCAAGAA  
 GTGGTGTAGATAAAGTCTGCGTGTGTGTTGGTGTCTGACATTCTGGGATCTGCCACTGGA  
 GACGTTACAGCTACCATGAATGCCATCGCCAGCTTGGCAGCAACAGGACTGCATCCTGGT  
 GGCAAGGACGGAGAGCTTACATTGCAGAACATCCTGCAGGACATCTAGTTCTGAAGTGG  
 TTAATAGAGCAAGATAAAAAGATGAAAGAAAATGGGAGAGAAGGTTGTTTTGCAAAAACA  
 CTTGTAGAGCATGTTGGTATGAAGAACCCTGAAGTCTGGGCTAGTGTAAATCGAGGTGCC  
 ATTATTCTTTCTAGCCTCCTCCAGAGTTGTGACCTGGAAGTTGCAAAACAAGTCAAAGCT  
 GCACTGAAAAGCTTGATTCTACATTGGAAAAACCAAAAGCACCAGCAAAGGAATAGAA  
 ATTCTACTTGAAAACCTGAGCACATAGGTGGAAAGAGTTAAGAGCAAGATGGAATGATTT  
 TTTCTGTTCTCTGTTCTGTTTCCCAATGCAGAAAAGAAGGGTAGGGTCCACCATACTGG  
 TAATTGGGGTACTCTGTATATGTGTTTCTTCTTTGTATACGAATCTATTTATATAAATTG  
 TTTTTTAAATGGTCTTTTTTAA  
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM\_014878
- 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_014878.4</a></u> , <u><a href="#">NP_055693.4</a></u>
<b>RefSeq Size:</b>	2232 bp
<b>RefSeq ORF:</b>	1947 bp
<b>Locus ID:</b>	9933
<b>UniProt ID:</b>	<u><a href="#">Q15397</a></u>
<b>Cytogenetics:</b>	9p24.2
<b>Domains:</b>	PUF
<b>Gene Summary:</b>	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]