

Product datasheet for SC113750

GPN2 (NM_018066) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPN2 (NM_018066) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPN2
Synonyms:	ATPBD1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113750 sequence for NM_018066 edited (data generated by NextGen Sequencing)

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ATGGCAGGGCCGCTCCGACCACGGCCTTCGGGCAGGCGGTGATCGGCCCGGGGCTCA
GGGAAGACCACGTAAGTGCCTGGGCATGAGTGAGTTCCTGCGCGCTGGGCCGGCGCTG
GCGGTGGTGAACCTGGACCCGGCCAACGAGGGGCTGCCGTACGAGTGTGCCGTGGACGTG
GGCGAGCTGGTGGGGCTGGGCGACGTGATGGACGCGCTGCGCCTGGGGCCCAACGGCGGC
CTGCTCTACTGCATGGAGTACCTGGAAGCCAACCTGGACTGGCTGCGTGCCAAGCTCGAC
CCCCTCCGCGCCACTACTTCTCTTCGACTGCCCAGGCCAGGTGGAGCTCTGCACGCAT
CACGGCGCCTTGGCAGCATCTTCTCCAAATGGCGCAGTGGGACCTCAGGCTGACTGCC
GTCCACCTCGTGGATTCTCACTACTGCACAGACCCTGCCAAGTTCATTTTCAGTACTGTGT
ACCTCCCTGGCCACCATGCTGCACGTGGAAGTGCACCATCAACCTCCTTTCCAAGATG
GACCTCATTGAGCATTATGGGAAGCTGGCCTTCAACCTGGACTACTACACAGAGGTTCTG
GACCTCTCCTACCTGCTTGACCACCTGGCTTCTGACCCTTTCTTCCGCCACTACGCCAG
CTCAATGAGAAGCTAGTGCAGCTCATCGAAGACTATAGCCTTGTCTCCTTTATCCCTCTC
AACATCCAGGACAAGGAGAGCATCCAGCGAGTCTGCAGGCTGTGGATAAAGCCAATGGA
TACTGTTTCGGAGCCCAAGAGCAGCGAAGCTTGGAAAGCCATGATGTCTGCCGCAATGGGA
GCCGACTTCCATTTCTTCCACACTGGGCATCCAGGAGAAGTACCTGGCACCCCTCGAAC
CAGTCAGTGGAGCAGGAAGCCATGCAGCTGTAG
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Clone variation with respect to NM_018066.3
790 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018066 unedited</p> <pre>NCCCGTTCAAATTTGTATACGACTACTATAGGCGGCCGGAATTCGCACGAGCTCCTTT TGCGCGACACGGTCTCAGCTGTTCCGCCTGAGGCGAGTGACGCTGGCCGCCAACGAGGTA TACGACTGGGACCCTCGCCCTCAGTCTCGTCTCCGGCGCGGCTACCTGCCCCGTTTTCC CTGTGAGTTGACCTGCTCCGGGCCGCGGGCCCAATGGCAGGGGCCGCTCCGACCACGG CCTTCGGGCAGGCGGTGATCGGCCCGCGGGCTCAGGGAAGACCACGTAAGTGCCTGGGCA TGAGTGAGTTCTGCGCGCGCTGGGCCGCGCGTGGCGGTGGTGAACCTGGACCCGGCCA ACGAGGGGCTGCCGTACGAGTGTGCCGTGGACGTGGGCGAGCTGGTGGGGCTGGGCGACG TGATGGACGCGCTGCGCCTGGGGCCCAACGGCGCCTGCTCTACTGCATGGAGTACCTGG AAGCCAACCTGGACTGGCTGCGTGCCAAGCTCGACCCCTCCGCGGCCACTACTTCTCT TCGACTGCCAGGCCAGGTGGAGCTCTGCACGCATCACGGCGCCTTGCGCAGCATTTCT CCCAAATGGCGCAGTGGGACCTCAGGCTGACTGCCGTCCACCTCGTGGATTCTCACTACT GCACAGACCCTGCCAAGTTCATTTCACTACTGTGTACCTCCCTGGCCACCATGCTGCACG TGGAACTGCCCCACATCAACCTCCTTTCCAAGATGGACCTCATTGAGCATTATGGGAAGC TGGGCCTTACCTGGACTACTACACAGAGGGTCTGGACCTCTNCTACCTGCTTGACCACC TGCTTCTGACCCTTTCTCGCCACTACGNCATTATATGAGAGCTAGTGCAGCTCATCGA AGACATAGCCTTGCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018066 unedited</p> <pre>NAAACGTATAACTATGAACCGCGCCGAATCTATGATCGATTTTTTTTTTTTTTTTTTTTT AAAAAAAAACTCTTGATTGTAGCACATTTATCACAGCCTGACTAGGACCAGTGTCCG ACTTTCTGGTGGCAGGGCCAGAGCTCACGGACACCACTGACAGTATGGGGGTGTTCTG CTTGGCACCATGTCTGGCTTTTTGGCCAGAAGTCTTTGCAGAGCTGAATATCCCCTTGC CAGCCCCGACGCTCTGGCTGGGAGGACTTGCTCTTGGGTCTGCAGCCTGCATCAGGAGCC TCCACTTTCCCCAGTGTGGATTATGCATCCTGCTCTCCAGGGTCCACCTTGTGCTACA GCTGCATGGCTTCTGCTCCACTGACTGGTTCGAGGGTGCCAGGTAATCTCTCTGGATGC CCAGTGTGGAAGAGAAATGGAAGTGGGCTCCCATTCGCGCAGACATCATGGCTTCCAAGC TTCGCTGCTCTTGGGCTCCGAAACAGTATCCATTGGCTTTATCCACAGCCTGCAGGACTC GCTGGATGCTCTCCTTGTCTGGATGTTGAGAGGGATAAAGGAGACAAGGCTATAGTCTT CGATGAGCTGCACTAGCTTCTCATTGAGCTGGCGGTAGTGGCGGAAGAAAGGTCAGAAG CCAGGTGGTCAAGCAGGTAGGAGAGGTCCAGAACCTCTGTGTAGTCCAGGTTGAAGG CCAGCTTCCATAATGCTCAATGAGGTCCATCTTGGAAAGGNAGTTGATGTGGNGCAGTT CCACGTGCAGCATGGTGGCCAGGNGAGTACACAGTACTGAAATGAACTTGGCAGGGTCTG TGCAGTAGTGAAGAT</pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_018066
Insert Size:	1500 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:	<u>NM_018066.2</u> , <u>NP_060536.2</u>
RefSeq Size:	2493 bp
RefSeq ORF:	933 bp
Locus ID:	54707
UniProt ID:	<u>Q9H9Y4</u>
Cytogenetics:	1p36.11
Domains:	ATP-bind
Gene Summary:	Small GTPase required for proper localization of RNA polymerase II and III (RNAPII and RNAPIII). May act at an RNAP assembly step prior to nuclear import.[UniProtKB/Swiss-Prot Function]