

Product datasheet for **SC300479**

GPATCH8 (NM_001002909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPATCH8 (NM_001002909) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPATCH8
Synonyms:	GPATC8; KIAA0553
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300479 representing NM_001002909. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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ATGTGTGAGTCCAACCTCTCTAAAGAAACCTCTCTGGCCACCCAGCAGGAAAGAAAGCAAGAAGGA
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 TACAAGGATGACGACGATAAAGGTTAAACGGCCGGC

Restriction Sites: SgfI-MluI
ACCN: NM_001002909
Insert Size: 4509 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone may be unstable or toxic at high copy number in common E. coli strain. We recommend using a lower copy number E. coli strain, such as CopyCutter strain (<http://www.epibio.com/item.asp?ID=435>) for transformation and plasmid preparation. Please be aware that the DNA yield could be low. Additional aliquots of this clone can be ordered from OriGene.

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: [NM_001002909.3](#)

RefSeq Size: 7049 bp

RefSeq ORF: 4509 bp

Locus ID: 23131

UniProt ID: [Q9UKJ3](#)

Cytogenetics: 17q21.31

MW: 164.2 kDa

Gene Summary: The protein encoded by this gene contains an RNA-processing domain, a zinc finger domain, a lysine-rich region and a serine-rich region. A mutation in the serine-rich region of the protein is thought to be associated with hyperuricemia (PMID: 21594610). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2015]

Transcript Variant: This variant (1) encodes the longest isoform (1).