

Product datasheet for **SC310497**

HMBS (NM_000190) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HMBS (NM_000190) Human Untagged Clone
Tag: Tag Free
Symbol: HMBS
Synonyms: PBG-D; PBGD; PORC; UPS
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_000190 edited
 ATGTCTGGTAACGGCAATGCGGCTGCAACGGCGGAAGAAAACAGCCAAAGATGAGAGTG
 ATTCGCGTGGGTACCCGCAAGACCAGCTTGCTCGCATACAGACGACAGTGTGGTGGCA
 ACATTGAAAGCCTCGTACCCTGGCCTGCAGTTTGAATCATTGCTATGTCCACCACAGGG
 GACAAGATTCTTGATACTGCACTCTCTAAGATTGGAGAGAAAAGCCTGTTTACCAAGGAG
 CTTGAACATGCCCTGGAGAAGAATGAAGTGGACCTGGTTGTTCACTCCTTGAAGGACCTG
 CCCACTGTGCTTCTCCTGGCTTACCATCGGAGCCATCTGCAAGCGGAAAACCCTCAT
 GATGCTGTTGTCTTTACCCAAAATTTGTTGGGAAGACCCTAGAAACCCTGCCAGAGAAG
 AGTGTGGTGGGAACCAGCTCCCTGCGAAGAGCAGCCAGCTGCAGAGAAAGTTCCCGCAT
 CTGGAGTTCAGGAGTATTCGGGAAAACCTCAACACCCGGCTTCGGAAGCTGGACGAGCAG
 CAGGAGTTCAGTGCCATCATCCTGGCAACAGCTGGCCTGCAGCGCATGGGCTGGCACAAC
 CGGGTTGGGCAGATCCTGCACCCTGAGGAATGCATGTATGCTGTGGGCCAGGGGGCCTTG
 GCGTGGAAAGTGCAGCCAAGGACCAGGACATCTTGGATCTGGTGGTGTGCTGCACGAT
 CCCGAGACTCTGCTTCGCTGCATCGCTGAAAGGGCCTTCTGAGGCACCTGGAAGGAGGC
 TGCAGTGTGCCAGTAGCCGTGCATACAGCTATGAAGGATGGGCAACTGTACCTGACTGGA
 GGAGTCTGGAGTCTAGACGGCTCAGATAGCATAACAAGAGACCATGCAGGCTACCATCCAT
 GTCCCTGCCAGCATGAAGATGGCCCTGAGGATGACCCACAGTTGGTAGGCATCACTGCT
 CGTAACATTCCACGAGGGCCCCAGTTGGCTGCCAGAACTGGGCATCAGCCTGGCCAAC
 TTGTTGCTGAGCAAAGGAGCCAAAACATCCTGGATGTTGCACGGCAGCTTAACGATGCC
 CATTAA

Restriction Sites: NotI-NotI
ACCN: NM_000190
Insert Size: 1500 bp



[View online »](#)

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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_000190.3.
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_000190.3, NP_000181.2</u>
RefSeq Size:	1526 bp
RefSeq ORF:	1086 bp
Locus ID:	3145
UniProt ID:	<u>P08397</u>
Cytogenetics:	11q23.3
Domains:	Porphobil_deam
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Porphyrin and chlorophyll metabolism
Gene Summary:	<p>This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>