

Product datasheet for **SC321340**

HPRT (HPRT1) (NM_000194) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HPRT (HPRT1) (NM_000194) Human Untagged Clone
Tag: Tag Free
Symbol: HPRT
Synonyms: HGPRT; HPRT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000194.1
 CCTCCTGAGCAGTCAGCCCGCGCCGGCCGCTCCGTTATGGCGACCCGACCCCTGGC
 GTCGTGATTAGTGATGATGAACCAAGTTATGACCTTGATTTATTTTGCATACCTAATCAT
 TATGCTGAGGATTTGGAAAGGGTTTTATTCCTCATGGACTAATTATGGACAGGACTGAA
 CGTCTTGCTCGAGATGTGATGAAGGAGATGGGAGGCCATCACATTGTAGCCCTCTGTGTG
 CTAAGGGGGGCTATAAATCTTTGCTGACCTGCTGGATTACATCAAAGCACTGAATAGA
 AATAGTGATAGATCCATTCCTATGACTGTAGATTTTATCAGACTGAAGAGCTATTGTAAT
 GACCAGTCAACAGGGGACATAAAAGTAATTGGTGGAGATGATCTCTCAACTTTAACTGGA
 AAGAATGCTTGTGTTGGAAGATATAATTGACTGCGCAAAACAATGCAGACTTTGCTT
 TCCTTGGTCAGGCAGTATAATCCAAAGATGGTCAAGGTCGCAAGCTTGCTGGTAAAAGG
 ACCCCACGAAGTGTGGATATAAGCCAGACTTTGTTGGATTTGAAATCCAGACAAGTTT
 GTTGTAGGATATGCCCTTGACTATAATGAATACTTCAGGGATTTGAATCATGTTTGTGTC
 ATTAGTAAAAGTGGAAAAGCAAAATACAAAGCCTAAGATGAGAGTTCAAGTTGAGTTTGG
 AAACATCTGGAGTCTATTGACATCGCCAGTAAATTAATCAATGTTCTAGTTCTGTGGCC
 ATCTGCTTAGTAGAGCTTTTGCATGTATCTTCTAAGAATTTTATCTGTTTTGACTTTA
 GAAATGTCAGTTGCTGCATTCCTAAACTGTTTATTTGCACTATGAGCCTATAGACTATCA
 GTTCCCTTTGGGCGGATTTGTTTAACTTGTAAATGAAAAATCTCTTAAACCACAGC
 ACTATTGAGTGAACATTGAACTCATATCTGTAAGAAATAAAGAGAAGATATATTAGTTT
 TTTAATTGGTATTTTAAATTTTATATATGCAGGAAAGAATAGAAGTGAATGAATATTGTT
 AATTATACCACCGTGTGTAGAAAAGTAAGAAGCAGTCAATTTTACATCAAAGACAGCA
 TCTAAGAAGTTTTGTTCTGCTGGAATTTATTTAGTAGTGTTCAGTAATGTTGACTGT
 ATTTTCCAACCTGTTCAAATTATTACCAGTGAATCTTTGTGAGCAGTTCCCTTTAAATG
 CAAATCAATAAATCCCAAAAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_000194



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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.
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_000194.1</u> , <u>NP_000185.1</u>
RefSeq Size:	1331 bp
RefSeq ORF:	657 bp
Locus ID:	3251
UniProt ID:	<u>P00492</u>
Cytogenetics:	Xq26.2-q26.3
Domains:	Pribosyltran
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism
Gene Summary:	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.[provided by RefSeq, Jun 2009]