

Product datasheet for **RC200462L4V**

HPRT (HPRT1) (NM_000194) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HPRT (HPRT1) (NM_000194) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HPRT1
Synonyms:	HGPRT; HPRT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000194
ORF Size:	654 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200462).
OTI Disclaimer:	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 was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000194.1
RefSeq Size:	1435 bp
RefSeq ORF:	657 bp
Locus ID:	3251
UniProt ID:	P00492
Cytogenetics:	Xq26.2-q26.3
Domains:	Pribosyltran
Protein Families:	Druggable Genome, Stem cell - Pluripotency



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Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

MW: 24.6 kDa

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]