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Product datasheet for RC200698L3V

PRPS1 (NM_002764) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PRPS1 (NM_002764) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRPS1
Synonyms:	ARTS; CMTX5; DFN2; DFNX1; PPRibP; PRS-I; PRSI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002764
ORF Size:	954 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200698).`
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_002764.2
RefSeq Size:	2156 bp
RefSeq ORF:	957 bp
Locus ID:	5631
UniProt ID:	P60891
Cytogenetics:	Xq22.3
Domains:	Pribosyltran
Protein Families:	Druggable Genome

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Protein Pathways: Metabolic pathways, Pentose phosphate pathway, Purine metabolism

MW: 34.8 kDa

Gene Summary: This gene encodes an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Defects in this gene are a cause of phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]