

Product datasheet for **RC202891L4V**

Cpn10 (HSPE1) (NM_002157) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cpn10 (HSPE1) (NM_002157) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cpn10
Synonyms:	CPN10; EPF; GROES; HSP10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002157
ORF Size:	306 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202891).
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_002157.1
RefSeq Size:	965 bp
RefSeq ORF:	309 bp
Locus ID:	3336
UniProt ID:	P61604
Cytogenetics:	2q33.1
Domains:	cpn10
Protein Families:	Druggable Genome, Stem cell - Pluripotency



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MW: 10.9 kDa

Gene Summary: This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.[provided by RefSeq, Feb 2011]