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Product datasheet for RC211478L2V

Cellular Apoptosis Susceptibility (CSE1L) (NM_001316) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cellular Apoptosis Susceptibility (CSE1L) (NM_001316) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cellular Apoptosis Susceptibility
Synonyms:	CAS; CSE1; XPO2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001316
ORF Size:	2913 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211478).
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_001316.2
RefSeq Size:	3627 bp
RefSeq ORF:	2916 bp
Locus ID:	1434
UniProt ID:	P55060
Cytogenetics:	20q13.13
Domains:	IBN_NT, CAS_CSE1

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Protein Families: Druggable Genome

MW: 110.4 kDa

Gene Summary: Proteins that carry a nuclear localization signal (NLS) are transported into the nucleus by the importin-alpha/beta heterodimer. Importin-alpha binds the NLS, while importin-beta mediates translocation through the nuclear pore complex. After translocation, RanGTP binds importin-beta and displaces importin-alpha. Importin-alpha must then be returned to the cytoplasm, leaving the NLS protein behind. The protein encoded by this gene binds strongly to NLS-free importin-alpha, and this binding is released in the cytoplasm by the combined action of RANBP1 and RANGAP1. In addition, the encoded protein may play a role both in apoptosis and in cell proliferation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]