

Product datasheet for **RR213783L2V**

Cryab (NM_012935) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cryab (NM_012935) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Cryab
Synonyms:	AACRYA
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012935
ORF Size:	525 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR213783).
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_012935.4 , NP_037067.1
RefSeq Size:	1019 bp
RefSeq ORF:	528 bp
Locus ID:	25420
UniProt ID:	P23928
Cytogenetics:	8q23



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Gene Summary:

This gene encodes subunit b, one of two subunits of alpha-crystallin, which is a high molecular weight, soluble aggregate and is a member of the small heat shock protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. It acts as a molecular chaperone and is the major protein in the eye lens, maintaining the transparency and refractive index of the lens. Alternate promoter usage results in different transcript variants encoding the same protein. [provided by RefSeq, Sep 2014]