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# Product datasheet for RC218123L4V

## mu Crystallin (CRYM) (NM_001888) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | mu Crystallin (CRYM) (NM_001888) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | mu Crystallin |
| **Synonyms:** | DFNA40; THBP |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001888 |
| **ORF Size:** | 942 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC218123). |
| **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_001888.2 |
| **RefSeq Size:** | 1559 bp |
| **RefSeq ORF:** | 945 bp |
| **Locus ID:** | 1428 |
| **UniProt ID:** | Q14894 |
| **Cytogenetics:** | 16p12.2 |
| **Domains:** | ODC_Mu_crystall |
| **MW:** | 33.8 kDa |

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**Gene Summary:** Crystallins are separated into two classes: taxon-specific and ubiquitous. The former class is also called phylogenetically-restricted crystallins. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. This gene encodes a taxon-specific crystallin protein that binds NADPH and has sequence similarity to bacterial ornithine cyclodeaminases. The encoded protein does not perform a structural role in lens tissue, and instead it binds thyroid hormone for possible regulatory or developmental roles. Mutations in this gene have been associated with autosomal dominant non-syndromic deafness. [provided by RefSeq, Sep 2014]