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# Product datasheet for RC213610L4V

## CHM (NM_000390) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | CHM (NM_000390) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CHM |
| **Synonyms:** | DXS540; GGTA; HSD-32; REP-1; TCD |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_000390 |
| **ORF Size:** | 1959 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC213610). |
| **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_000390.2 |
| **RefSeq Size:** | 5442 bp |
| **RefSeq ORF:** | 1962 bp |
| **Locus ID:** | 1121 |
| **UniProt ID:** | P24386 |
| **Cytogenetics:** | Xq21.2 |
| **Domains:** | GDI |
| **Protein Families:** | Druggable Genome |

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**MW:** 73.5 kDa

**Gene Summary:** This gene encodes component A of the RAB geranylgeranyl transferase holoenzyme. In the dimeric holoenzyme, this subunit binds unprenylated Rab GTPases and then presents them to the catalytic Rab GGTase subunit for the geranylgeranyl transfer reaction. Rab GTPases need to be geranylgeranyled on either one or two cysteine residues in their C-terminus to localize to the correct intracellular membrane. Mutations in this gene are a cause of choroideremia; also known as tapetochoroidal dystrophy (TCD). This X-linked disease is characterized by progressive dystrophy of the choroid, retinal pigment epithelium and retina. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016]