

Product datasheet for **RC212989L1V**

CNGB3 (NM_019098) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CNGB3 (NM_019098) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CNGB3 |
| Synonyms: | ACHM1 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_019098 |
| ORF Size: | 2427 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC212989). |
| 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_019098.2 |
| RefSeq Size: | 4369 bp |
| RefSeq ORF: | 2430 bp |
| Locus ID: | 54714 |
| UniProt ID: | Q9NQW8 |
| Cytogenetics: | 8q21.3 |
| Protein Families: | Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane |
| MW: | 92.2 kDa |



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Gene Summary:

This gene encodes the beta subunit of a cyclic nucleotide-gated ion channel. The encoded beta subunit appears to play a role in modulation of channel function in cone photoreceptors. This heterotetrameric channel is necessary for sensory transduction, and mutations in this gene have been associated with achromatopsia 3, progressive cone dystrophy, and juvenile macular degeneration, also known as Stargardt Disease. [provided by RefSeq, Feb 2010]