

Product datasheet for RC209689L3V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

C19orf28 (MFSD12) (NM_174983) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: C19orf28 (MFSD12) (NM_174983) Human Tagged ORF Clone Lentiviral Particle

Symbol: C19orf28

Synonyms: C19orf28; PP3501

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_174983 **ORF Size:** 1440 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC209689).

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.

RefSeg: NM 174983.3

 RefSeq Size:
 2149 bp

 RefSeq ORF:
 1443 bp

 Locus ID:
 126321

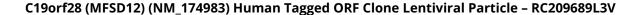
 UniProt ID:
 Q6NUT3

 Cytogenetics:
 19p13.3

Protein Families: Transmembrane

MW: 52 kDa







Gene Summary:

Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin pigmentation (PubMed:33208952). In melanosomes, cysteine import is required both for normal levels of cystine, the oxidized dimer of cysteine, and provide cysteine for the production of the cysteinyldopas used in pheomelanin synthesis, thereby regulating skin pigmentation (PubMed:33208952). Also catalyzes import of cysteine into lysosomes in non-pigmented cells (PubMed:33208952). [UniProtKB/Swiss-Prot Function]