

Product datasheet for RC223198L4

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UNC5D (NM_080872) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: UNC5D (NM_080872) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: UNC5D

Synonyms: PRO34692; Unc5h4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone

Sequence:

The ORF insert of this clone is exactly the same as(RC223198).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_080872

ORF Size: 2844 bp





UNC5D (NM_080872) Human Tagged Lenti ORF Clone - RC223198L4

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 080872.1</u>, <u>NP 543148.1</u>

 RefSeq Size:
 7002 bp

 RefSeq ORF:
 2862 bp

 Locus ID:
 137970

 UniProt ID:
 Q6UXZ4

 Cytogenetics:
 8p12

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

MW: 105.3 kDa

Gene Summary: Receptor for the netrin NTN4 that promotes neuronal cell survival (By similarity). Plays a role

in cell-cell adhesion and cell guidance. Receptor for netrin involved in cell migration. Plays a

role in axon guidance by mediating axon repulsion of neuronal growth cones in the

developing nervous system upon ligand binding (By similarity). May play a role in apoptosis in

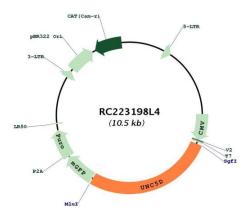
response to DNA damage (PubMed:24691657). It also acts as a dependence receptor

required for apoptosis induction when not associated with netrin ligand (PubMed:24519068). Mediates cell-cell adhesion via its interaction with FLRT3 on an adjacent cell (By similarity).

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC223198L4