

Product datasheet for RC204136L2V

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

xCT (SLC7A11) (NM_014331) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: xCT (SLC7A11) (NM_014331) Human Tagged ORF Clone Lentiviral Particle

Symbol: xCT

Synonyms: CCBR1; xCT

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_014331 **ORF Size:** 1503 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC204136).

Sequence:

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 014331.3, NP 055146.1

 RefSeq Size:
 9648 bp

 RefSeq ORF:
 1506 bp

 Locus ID:
 23657

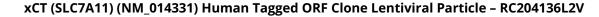
 UniProt ID:
 Q9UPY5

 Cytogenetics:
 4q28.3

Domains: aa_permeases

Protein Families: Druggable Genome, Transmembrane





ORÏGENE

MW: 55.4 kDa

Gene Summary:

This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death. [provided by RefSeq, Sep 2011]