

Product datasheet for RC203826L3

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GLO1 (NM_006708) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GLO1 (NM_006708) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GLO1

Synonyms: GLOD1; GLYI; HEL-S-74

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203826).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_006708

ORF Size: 552 bp





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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 006708.1</u>

RefSeq Size:2071 bpRefSeq ORF:555 bpLocus ID:2739

UniProt ID: Q04760
Cytogenetics: 6p21.2

Domains: Glyoxalase

Protein Pathways: Pyruvate metabolism

MW: 20.8 kDa

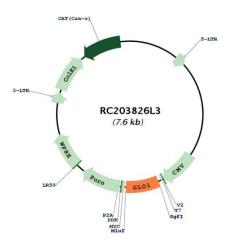
Gene Summary: The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-

glutathione from methylglyoxal condensation and reduced glutatione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere. [provided by RefSeq,

Jul 2008]



Product images:



Circular map for RC203826L3