

Product datasheet for RC225858L3

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GSPT1 (NM_001130007) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GSPT1 (NM 001130007) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GSPT1

Synonyms: 551G9.2; eRF3a; ETF3A; GST1

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

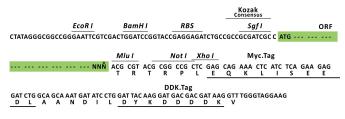
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC225858).

Sequence:

Restriction Sites:

Cloning Scheme:





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

ACCN: NM_001130007

ORF Size: 1497 bp





GSPT1 (NM_001130007) Human Tagged Lenti ORF Clone - RC225858L3

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 001130007.1</u>

 RefSeq Size:
 7190 bp

 RefSeq ORF:
 1500 bp

 Locus ID:
 2935

 UniProt ID:
 P15170

Protein Families: Transmembrane

MW: 55.8 kDa

Cytogenetics:

Gene Summary: Involved in translation termination in response to the termination codons UAA, UAG and UGA

(By similarity). Stimulates the activity of ETF1 (By similarity). Involved in regulation of

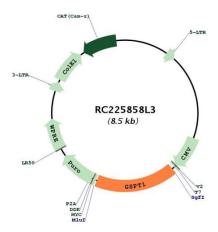
mammalian cell growth (PubMed:2511002). Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons (PubMed:24486019).[UniProtKB/Swiss-Prot

Function]

16p13.13



Product images:



Circular map for RC225858L3