

Datasheet for ABIN5461539

Human SI ORF Clone in Lentiviral Vector (Myc-DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	Sucrase Isomaltase (SI)
Species:	Human
Fusion tag:	Myc-DYKDDDDK Tag
Insert:	ORF
Vector:	Lentiviral Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Lentiviral Vector with ORF clone of Human sucrase-isomaltase (alpha-glucosidase) (SI) , C-term Myc-DDK-tagged
Brand:	LentiORF
Insert Length:	5484 bp
Vector Backbone:	pLenti-C-Myc-DDK
Promoter:	CMV Promoter
Bacterial Resistance:	Chloramphenicol
Expression Type:	Transient
Specificity:	Restriction Site: Sgfl-Mlul
Characteristics:	<p>Myc-DDK tagged, C-terminal</p> <p>Broad cell spectrum: Lentivirus infect most cells, dividing & non-dividing, easy-to-transfect & hard-to-transfect cells.</p> <p>High transduction efficiency</p> <p>Convenience: Minimal need for optimization.</p>

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Product Details

Safety: 3rd generation system with improved biosafety.

Components: 10 µg of lyophilized plasmid

Target Details

Gene: Sucrase Isomaltase (SI)

Abstract: [SI Products](#)

Background: This gene encodes a sucrase-isomaltase enzyme that is expressed in the intestinal brush border. The encoded protein is synthesized as a precursor protein that is cleaved by pancreatic proteases into two enzymatic subunits sucrase and isomaltase. These two subunits heterodimerize to form the sucrose-isomaltase complex. This complex is essential for the digestion of dietary carbohydrates including starch, sucrose and isomaltose. Mutations in this gene are the cause of congenital sucrase-isomaltase deficiency.

NCBI Accession: [NM_001041](#), [NP_001032](#)

Application Details

Application Notes: In hard-to-transfect cells: Detection and purification of over-expressed protein

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: 4 °C/-20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)