

OriGene Technologies, Inc.

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Product datasheet for RC215040L4V

FUT3 (NM_001097639) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Name:FUT3 (NM_001097639) Human Tagged ORF Clone Lentiviral ParticleSymbol:FUT3Symbol:FUT3Symonyms:CD174; FT3E; FucT-III; LE; LesMammalian CellPuromycinVector:plenti-CmGFP-P2A-Puro (PS100093)Tag:mGFPACCN:MM_001097639ORF Size:1083 bpORF NuclootideThe oneF insert of this clone is exactly the same as(RC215040).Sequence:The molecular sequence of this clone aligns with the gene accession number as a point of naturally occurring variations (e.g. polymorphisms), each with is 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 infoRefSeq:NM 001097639.RefSeq:NM 001097639.RefSeq ORF:1086 bpLocus D:252 bpLocus D:252 bpLocus D:252 bpLocus D:252 bpChargenetis:1913.3Protein Pathway:1913.4Mw:41 kDa	Product Type:	Lentiviral Particles
Synonyms:CD174; FT3B; FucT-III; LE; LesMammalian Cell Selection:PuromycinVector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_001097639ORF Size:1083 bpORF Nucleotide sequence:The ORF insert of this clone is exactly the same as(RC215040).Orf 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 antaurally 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM 001097639.1RefSeq ORF:1086 bpLocus ID:2525UniProt ID:P21217Yuogenetics:1913.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	Product Name:	FUT3 (NM_001097639) Human Tagged ORF Clone Lentiviral Particle
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Selection:Vector:plenti-CmGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_001097639ORF Size:1083 bpORF Nucleotide Sequence:he ORF insert of this clone is exactly the same as(RC215040).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 infoOTI Annotation:NM 001097639.1RefSeq ORF:1086 bpLocus ID:2525 bpRefSeq ORF:1086 bpLocus ID:2525UniProt ID:P12127Ortiopentics:1913.3Protein Pathway:Gycophinglipiolosynthesis-lacto and neolacto series, Metabolic pathways	Synonyms:	CD174; FT3B; FucT-III; LE; Les
Tag:MGFPACCN:NM_001097639ORF Size:1083 bpORF Nucleotide sequence:The ORF insert of this clone is exactly the same as(RC215040).OTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as point of reference only. However, individual transcript sequences of the same gene can differ through aturally 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq Size:259 bpRefSeq ORF:1086 bpLocus ID:2525UniProt ID:21217Yungenetics:199133Protein Pathway:Giocophingolipid biosynthesis -lacto and neolacto series, Metabolic pathways		Puromycin
ACCN:NM_001097639ORF Size:1083 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC215040).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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM_001097639.1RefSeq ORF:1086 bpLocus ID:2525UniProt ID:P21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
ORF Size:No.ORF NucleotideThe ORF insert of this clone is exactly the same as(RC215040).Sequence: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 arturally 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM_001097639.1RefSeq ORF:1086 bpLocus ID:2525UniProt ID:21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	Tag:	mGFP
ORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC215040).OII 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM 001097639.1RefSeq ORF:1086 bpLocus ID:2525UniProt ID:21217Ottogenetics:19p13.3Protein Pathways:Glycosphingolipi biosynthesis - lacto and neolacto series, Metabolic pathways	ACCN:	NM_001097639
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varies depending on the nature of the gene.RefSeq:NM 001097639.1RefSeq Size:2259 bpRefSeq ORF:1086 bpLocus ID:2525UniProt ID:P21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	OTI Disclaimer:	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
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RefSeq ORF:1086 bpLocus ID:2525UniProt ID:P21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	RefSeq:	<u>NM 001097639.1</u>
Locus ID:2525UniProt ID:P21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	RefSeq Size:	2259 bp
UniProt ID:P21217Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	RefSeq ORF:	1086 bp
Cytogenetics:19p13.3Protein Pathways:Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	Locus ID:	2525
Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways	UniProt ID:	<u>P21217</u>
	Cytogenetics:	19p13.3
MW: 42.1 kDa	Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
	MW:	42.1 kDa



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FUT3 (NM_001097639) Human Tagged ORF Clone Lentiviral Particle - RC215040L4V

Gene Summary: The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)fucosyltransferase activities. Mutations in this gene are responsible for the majority of Lewis antigen-negative phenotypes. Differences in the expression of this gene are associated with host susceptibility to viral infection. [provided by RefSeq, Aug 2020]

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