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Product datasheet for RC206322L1V

Fuc-TIX (FUT9) (NM_006581) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fuc-TIX (FUT9) (NM_006581) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Fuc-TIX
Synonyms:	Fuc-TIX
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006581
ORF Size:	1077 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC206322).`
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.
RefSeq:	NM_006581.2
RefSeq Size:	12815 bp
RefSeq ORF:	1080 bp
Locus ID:	10690
UniProt ID:	Q9Y231
Cytogenetics:	6q16.1
Domains:	Glyco_transf_10
Protein Families:	Transmembrane

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Protein Pathways: Glycosphingolipid biosynthesis - globo series, Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

MW: 42 kDa

Gene Summary: The protein encoded by this gene belongs to the glycosyltransferase family. It is localized to the golgi, and catalyzes the last step in the biosynthesis of Lewis X (LeX) antigen, the addition of a fucose to precursor polysaccharides. This protein is one of the few fucosyltransferases that synthesizes the LeX oligosaccharide (CD15) expressed in the organ buds progressing in mesenchyma during embryogenesis. It is also responsible for the expression of CD15 in mature granulocytes. A common haplotype of this gene has also been associated with susceptibility to placental malaria infection. [provided by RefSeq, Nov 2011]