

## Product datasheet for **RC203140L2V**

### Lactoferrin (LTF) (NM\_002343) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Lactoferrin (LTF) (NM_002343) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Lactoferrin
Synonyms:	GIG12; HEL110; HLF2; LF
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002343
ORF Size:	2133 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203140).
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. <a href="#">More info</a>
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:	<a href="#">NM_002343.2</a>
RefSeq Size:	2390 bp
RefSeq ORF:	2133 bp
Locus ID:	4057
UniProt ID:	<a href="#">P02788</a>
Cytogenetics:	3p21.31
Domains:	TR_FER
Protein Families:	Druggable Genome, Protease, Secreted Protein



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**MW:** 78.37 kDa

**Gene Summary:** This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. Antimicrobial, antiviral, antifungal and antiparasitic activity has been found for this protein and its peptides. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]