

Product datasheet for **RC204660L3V**

ITLN1 (NM_017625) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ITLN1 (NM_017625) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITLN1
Synonyms:	hIntL; HL-1; HL1; INTL; ITLN; LFR; omentin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017625
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204660).
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_017625.2
RefSeq Size:	1209 bp
RefSeq ORF:	942 bp
Locus ID:	55600
UniProt ID:	Q8WWA0
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, Secreted Protein
MW:	34.8 kDa



[View online »](#)

Gene Summary:

Lectin that specifically recognizes microbial carbohydrate chains in a calcium-dependent manner (PubMed:11313366, PubMed:26148048). Binds to microbial glycans that contain a terminal acyclic 1,2-diol moiety, including beta-linked D-galactofuranose (beta-Galf), D-phosphoglycerol-modified glycans, D-glycero-D-talo-oct-2-ulosonic acid (KO) and 3-deoxy-D-manno-oct-2-ulosonic acid (KDO) (PubMed:26148048). Binds to glycans from Gram-positive and Gram-negative bacteria, including *K.pneumoniae*, *S.pneumoniae*, *Y.pestis*, *P.mirabilis* and *P.vulgaris* (PubMed:26148048). Does not bind human glycans (PubMed:26148048). Probably plays a role in the defense system against microorganisms (Probable). May function as adipokine that has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes (PubMed:16531507). Increases AKT phosphorylation in the absence and presence of insulin (PubMed:16531507). May interact with lactoferrin/LTF and increase its uptake, and may thereby play a role in iron absorption (PubMed:11747454, PubMed:23921499).[UniProtKB/Swiss-Prot Function]