

## Product datasheet for **RC204733L4V**

### Thyroxine Binding Globulin (SERPINA7) (NM\_000354) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Thyroxine Binding Globulin (SERPINA7) (NM_000354) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Thyroxine Binding Globulin
Synonyms:	TBG; TBGQTL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000354
ORF Size:	1245 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204733).
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_000354.3</a>
RefSeq Size:	1600 bp
RefSeq ORF:	1248 bp
Locus ID:	6906
UniProt ID:	<a href="#">P05543</a>
Cytogenetics:	Xq22.3
Domains:	SERPIN



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**Protein Families:** Druggable Genome, Secreted Protein

**MW:** 46.3 kDa

**Gene Summary:** There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.[provided by RefSeq, Jun 2012]