

## Product datasheet for **RC208408L3V**

### THBS4 (NM\_003248) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	THBS4 (NM_003248) Human Tagged ORF Clone Lentiviral Particle
Symbol:	THBS4
Synonyms:	TSP-4; TSP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003248
ORF Size:	2883 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208408).
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_003248.4</a>
RefSeq Size:	3233 bp
RefSeq ORF:	2886 bp
Locus ID:	7060
UniProt ID:	<a href="#">P35443</a>
Cytogenetics:	5q14.1
Domains:	EGF_CA, TSPN, tsp_3, EGF, EGF
Protein Families:	Druggable Genome



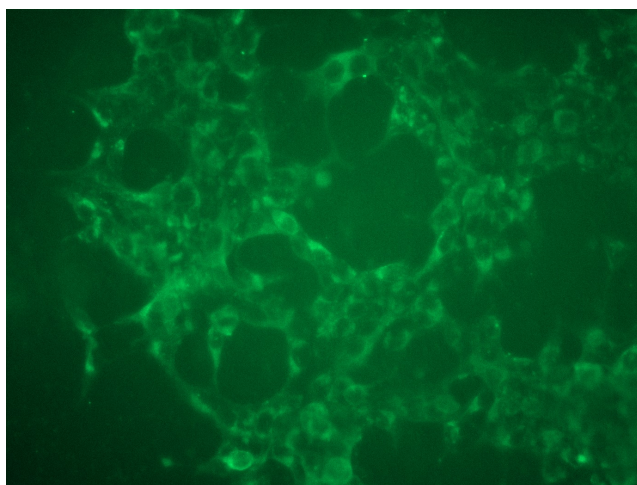
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**Protein Pathways:** ECM-receptor interaction, Focal adhesion, TGF-beta signaling pathway

**MW:** 105.9 kDa

**Gene Summary:** The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin and calcium. It is involved in local signaling in the developing and adult nervous system, and it contributes to spinal sensitization and neuropathic pain states. This gene is activated during the stromal response to invasive breast cancer. It may also play a role in inflammatory responses in Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

### Product images:



[RC208408L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208408L3V particle to overexpress human THBS4-Myc-DDK fusion protein.