

## Product datasheet for **RC200012L4V**

### STYXL1 (NM\_016086) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	STYXL1 (NM_016086) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STYXL1
Synonyms:	DUSP24; MK-STYX; MKSTYX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016086
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200012).
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_016086.2</a>
RefSeq Size:	1429 bp
RefSeq ORF:	942 bp
Locus ID:	51657
UniProt ID:	<a href="#">Q9Y6J8</a>
Cytogenetics:	7q11.23
Domains:	DSPc, RHOD
Protein Families:	Druggable Genome, Phosphatase



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**MW:** 35.8 kDa

**Gene Summary:** Catalytically inactive phosphatase (PubMed:20180778, PubMed:23163895). By binding to G3BP1, inhibits the formation of G3BP1-induced stress granules (PubMed:20180778, PubMed:23163895). Does not act by protecting the dephosphorylation of G3BP1 at 'Ser-149' (PubMed:23163895). Inhibits PTPMT1 phosphatase activity (PubMed:24709986). By inhibiting PTPMT1, positively regulates intrinsic apoptosis (PubMed:21262771). May play a role in the formation of neurites during neuronal development (PubMed:29250526).[UniProtKB/Swiss-Prot Function]