

Product datasheet for **RC217487L4V**

FISH (SH3PXD2A) (NM_014631) Human Tagged ORF Clone Lentiviral Particle

Product data:

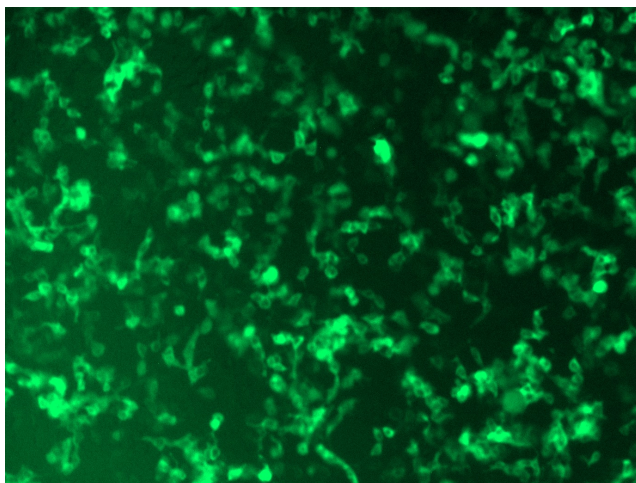
Product Type:	Lentiviral Particles
Product Name:	FISH (SH3PXD2A) (NM_014631) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FISH
Synonyms:	FISH; SH3MD1; TKS5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014631
ORF Size:	3315 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217487).
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_014631.2 , NP_055446.2
RefSeq Size:	11264 bp
RefSeq ORF:	3318 bp
Locus ID:	9644
UniProt ID:	Q5TCZ1
Cytogenetics:	10q24.33
MW:	121.7 kDa



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Gene Summary:

Adapter protein involved in invadopodia and podosome formation, extracellular matrix degradation and invasiveness of some cancer cells. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1- or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. In association with ADAM12, mediates the neurotoxic effect of amyloid-beta peptide.[UniProtKB/Swiss-Prot Function]

Product images:

[RC217487L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC217487L4V particle to overexpress human SH3PXD2A-mGFP fusion protein.