

Product datasheet for **RC226975L4V**

KIAA0748 (TESPA1) (NM_001136030) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	KIAA0748
Synonyms:	HSPC257; ITPRID3; KIAA0748
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001136030
ORF Size:	1563 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC226975).

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_001136030.2
RefSeq Size:	3862 bp
RefSeq ORF:	1566 bp
Locus ID:	9840
UniProt ID:	A2RU30
Cytogenetics:	12q13.2



MW: 59.2 kDa

Gene Summary: Required for the development and maturation of T-cells, its function being essential for the late stages of thymocyte development (By similarity). Plays a role in T-cell antigen receptor (TCR)-mediated activation of the ERK and NFAT signaling pathways, possibly by serving as a scaffolding protein that promotes the assembly of the LAT signalosome in thymocytes. May play a role in the regulation of inositol 1,4,5-trisphosphate receptor-mediated Ca^{2+} release and mitochondrial Ca^{2+} uptake via the mitochondria-associated endoplasmic reticulum membrane (MAM) compartment.[UniProtKB/Swiss-Prot Function]