

Product datasheet for **RR215648L4V**

Steap4 (NM_001044265) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Steap4 (NM_001044265) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Steap4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001044265
ORF Size:	1410 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR215648).
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_001044265.1 , NP_001037730.1
RefSeq Size:	3112 bp
RefSeq ORF:	1413 bp
Locus ID:	499991
UniProt ID:	Q4V8K1
Cytogenetics:	4q12



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Gene Summary:

Integral membrane protein that functions as NADPH-dependent ferric-chelate reductase, using NADPH from one side of the membrane to reduce a Fe(3+) chelate that is bound on the other side of the membrane. Mediates sequential transmembrane electron transfer from NADPH to FAD and onto heme, and finally to the Fe(3+) chelate (PubMed:23733181). Can also reduce Cu(2+) to Cu(1+) (PubMed:23733181). Plays a role in systemic metabolic homeostasis, integrating inflammatory and metabolic responses (By similarity). Associated with obesity and insulin-resistance (By similarity). Involved in inflammatory arthritis, through the regulation of inflammatory cytokines (By similarity). Inhibits anchorage-independent cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]