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Product datasheet for RC207136L2V

ST14 (NM_021978) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ST14 (NM_021978) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ST14
Synonyms:	ARCI11; CAP3; HAI; MT-SP1; MTSP1; PRSS14; SNC19; TADG15; TMPRSS14
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_021978
ORF Size:	2565 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207136).`
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_021978.3
RefSeq Size:	3319 bp
RefSeq ORF:	2568 bp
Locus ID:	6768
UniProt ID:	Q9Y5Y6
Cytogenetics:	11q24.3
Domains:	CUB, Tryp_SPc, ldl_recept_a
Protein Families:	Druggable Genome, Protease, Transmembrane

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MW: 94.6 kDa

Gene Summary: The protein encoded by this gene is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis. [provided by RefSeq, Jul 2008]