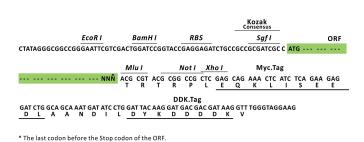


Product datasheet for RC215845L3

STEAP2 (NM_001040665) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STEAP2 (NM_001040665) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	STEAP2
Synonyms:	IPCA1; PCANAP1; PUMPCn; STAMP1; STMP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215845).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I



--- GCG ATC GC ATG --- //--- NNN ACG CGT ---

ACCN: NM_001040665 ORF Size: 1470 bp

CN: techsupport@origene.cn

OriGene Technologies, Inc.

Rockville, MD 20850, US Phone: +1-888-267-4436

https://www.origene.com techsupport@origene.com EU: info-de@origene.com

9620 Medical Center Drive, Ste 200



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STEAP2 (NM_001040665) Human Tagged Lenti ORF Clone – RC215845L3	
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 001040665.1</u>
RefSeq Size:	6708 bp
RefSeq ORF:	1473 bp
Locus ID:	261729
UniProt ID:	<u>Q8NFT2</u>
Cytogenetics:	7q21.13
Protein Families:	Transmembrane
MW:	55.9 kDa
Gene Summary:	This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

characterized. [provided by RefSeq, Jul 2008]

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