

Product datasheet for **RR207665L3V**

Ostc (NM_001108566) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ostc (NM_001108566) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Ostc
Synonyms:	Dc2; RGD1560708
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001108566
ORF Size:	447 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207665).
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_001108566.1 , NP_001102036.1
RefSeq Size:	1049 bp
RefSeq ORF:	450 bp
Locus ID:	362040
UniProt ID:	B0K025
Cytogenetics:	2q43



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Gene Summary:

Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity. May be involved in N-glycosylation of APP (amyloid-beta precursor protein). Can modulate gamma-secretase cleavage of APP by enhancing endoproteolysis of PSEN1.[UniProtKB/Swiss-Prot Function]