

## Product datasheet for **MR215280L4V**

### Cort (NM\_007745) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cort (NM_007745) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cort
Synonyms:	CS; CST; PC; PCST
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007745
ORF Size:	327 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215280).
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. <a href="#">More info</a>
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:	<a href="#">NM_007745.3</a> , <a href="#">NP_031771.1</a>
RefSeq Size:	498 bp
RefSeq ORF:	330 bp
Locus ID:	12854
UniProt ID:	<a href="#">P56469</a>
Cytogenetics:	4 78.89 cM



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**Gene Summary:**

This gene encodes a member of the somatostatin family of multifunctional peptides attributed with neurohormone, neurotransmitter/modulator and autocrine/paracrine actions. The encoded preproprotein undergoes proteolytic processing to generate a mature functional peptide that can bind to somatostatin receptors. Mice lacking the encoded protein exhibit elevated levels of growth hormone in the plasma without major changes in somatic growth and have exacerbated nociceptive responses to neuropathic and inflammatory pain sensitization. Transgenic mice overexpressing the encoded protein in neurons do not express long-term potentiation in the dentate gyrus and exhibit deficits in synaptic plasticity and learning. [provided by RefSeq, Nov 2015]