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Product datasheet for RC206573L3V

Stanniocalcin 1 (STC1) (NM_003155) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Stanniocalcin 1 (STC1) (NM_003155) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Stanniocalcin 1
Synonyms:	STC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003155
ORF Size:	741 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC206573).`
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_003155.2
RefSeq Size:	3897 bp
RefSeq ORF:	744 bp
Locus ID:	6781
UniProt ID:	P52823
Cytogenetics:	8p21.2
Domains:	Stanniocalcin
Protein Families:	Druggable Genome, Secreted Protein

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MW: 27.6 kDa

Gene Summary: This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers. [provided by RefSeq, Jul 2008]