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Product datasheet for RC209305L3V

SOCS3 (NM_003955) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SOCS3 (NM_003955) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SOCS3
Synonyms:	ATOD4; CIS3; Cish3; SOCS-3; SSI-3; SSI3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003955
ORF Size:	675 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209305).`
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_003955.3
RefSeq Size:	2737 bp
RefSeq ORF:	678 bp
Locus ID:	9021
UniProt ID:	O14543
Cytogenetics:	17q25.3
Domains:	SH2, SOCS
Protein Families:	Druggable Genome

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Protein Pathways: Adipocytokine signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus, Ubiquitin mediated proteolysis

MW: 24.8 kDa

Gene Summary: This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development. [provided by RefSeq, Jul 2008]