

Product datasheet for SC325699

CISH (NM_013324) Human Untagged Clone

Product data:

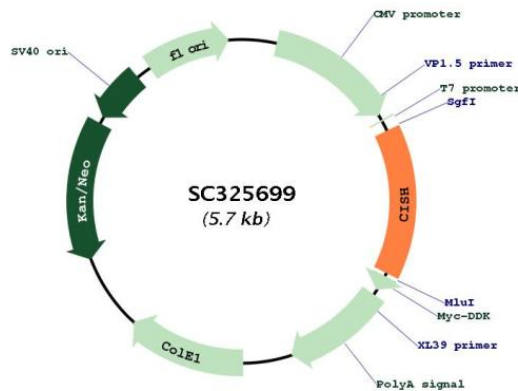
Product Type:	Expression Plasmids
Product Name:	CISH (NM_013324) Human Untagged Clone
Tag:	Tag Free
Symbol:	CISH
Synonyms:	BACTS2; CIS; CIS-1; G18; SOCS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325699 representing NM_013324. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACCTAGAACACACCAGCCACTGTCCCAACCATGATGATGACACAGCCATGGACACACCCCTGCC
AGACCTCGTCCTTTGCTGGCTGTGGAGCGGACTGGGCAGCGGCCCTGTGGGCCCGTCCCTGAACTG
CCCAAGCCAGTCATGCAGCCCTTGCTGCTGGGCCTTCTCGAGGAGGTGGCAGAGGGTACCCAGCC
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TACCTTCGGGAATCTGGCTGGTATTGGGGTTCCATTACGGCCAGCGAGGCCGACAACACCTGCAGAAG
ATGCCAGAAGGCACGTTCTTAGTACGTGACAGCACGCACCCAGTACCTGTTACAGCTGTCAGTGAAA
ACCACTCGTGGCCCAACATGTACGCATTGAGTATGCCGACTCCAGCTTCCGTCTGGACTCCAACCTGC
TTGTCCAGGCCACGCATCCTGGCCTTCCGGATGTGGTCAGCCTTGTGCAGCACTATGTGGCCTCCTGC
ACTGCTGATACCCGAAGCGACAGCCCCGATCCTGCTCCACCCCGGCCCTGCCTATGCCTAAGGAGGAT
GCGCCTAGTGACCAGCACTGCCTGCTCCTCCACCAGCCACTGCTGTACACCTAAAAGTGGTGCAGCCC
TTTGTACGCAGAAGCAGTGCCCGCAGCCTGCAACACCTGTGCCGCTTGTATCAACCGTCTGGTGGCC
GACGTGGACTGCCTGCCACTGCCCGGCGCATGGCCGACTACCTCCGACAGTACCCCTCCAGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_013324

Insert Size: 828 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. 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: [NM_013324.5](#)

RefSeq Size: 2285 bp

RefSeq ORF: 828 bp

Locus ID:	1154
UniProt ID:	Q9NSE2
Cytogenetics:	3p21.2
Domains:	SH2, SOCS
Protein Families:	Druggable Genome
Protein Pathways:	Jak-STAT signaling pathway
MW:	30.7 kDa
Gene Summary:	<p>The protein encoded by this gene contains a SH2 domain and a SOCS box domain. The protein thus belongs to the cytokine-induced STAT inhibitor (CIS), also known as suppressor of cytokine signaling (SOCS) or STAT-induced STAT inhibitor (SSI), protein family. CIS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by IL2, IL3, GM-CSF and EPO in hematopoietic cells. Proteasome-mediated degradation of this protein has been shown to be involved in the inactivation of the erythropoietin receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (1) represents a longer transcript, and encodes an isoform (1) with a distinct N-terminus.</p>