

Product datasheet for **SC124560**

CISH (NM_145071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CISH (NM_145071) Human Untagged Clone
Tag:	Tag Free
Symbol:	CISH
Synonyms:	BACTS2; CIS; CIS-1; G18; SOCS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124560 sequence for NM_145071 edited (data generated by NextGen Sequencing)

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ATGGTCCTCTGCGTTTCAGGGACCTCGTCCTTTGCTGGCTGTGGAGCGGACTGGGCAGCGG
CCCCTGTGGGCCCGTCCCTGGAAGTGCCTCAAGCCAGTCATGCAGCCCTTGCCTGCTGGG
GCCTTCTCGAGGAGGTGGCAGAGGGTACCCAGCCAGACAGAGAGTGAGCCAAAGGTG
CTGGACCCAGAGGAGGATCTGCTGTGCATAGCCAAGACCTTCTCCTACCTTCGGGAATCT
GGCTGGTATTGGGGTTCCATTACGGCCAGCGAGGCCGACAACACCTGCAGAAGATGCCA
GAAGGCACGTTCTTAGTACGTGACAGCACGCACCCAGCTACCTGTTACGCTGTCAGTG
AAAACCACTCGTGGCCCCACCAATGTACGCATTGAGTATGCCGACTCCAGCTTCCGCTGTG
GACTCCAACCTGCTGTCCAGGCCAGCATCCTGGCCTTTCCGGATGTGGTCAGCCTGTG
CAGCACTATGTGGCCTCCTGCACTGCTGATACCCGAAGCGACAGCCCGATCCTGCTCCC
ACCCCGGCCCTGCCTATGCCTAAGGAGGATGCGCCTAGTGACCCAGCACTGCCTGCTCCT
CCACCAGCCACTGCTGTACACCTAAAAGTGGTGCAGCCCTTTGTACGCAGAAGCAGTGCC
CGCAGCCTGCAACACCTGTGCCGCTTGTATCAACCGTCTGGTGGCCGACGTGGACTGC
CTGCCACTGCCCGGCGCATGGCCGACTACCTCCGACAGTACCCCTTCCAGCTCTGA

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Clone variation with respect to NM_145071.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145071 unedited AAANGGGGAAAACAAACCCTCCNCNGNCCGGTTCAAATTTGTATACGACTCCTATAGG CGGCCGCGNAATTCGCACGAGCGGNATCGCCGCTGCCGCGGGGACATGGTCCTCTGCGTT CAGGGACTCGTCCTTTGCTGGCTGTGGAGCGGACTGGGCAGCGGCCCTGTGGGCCCCG TCCCTGGAAGTGCCAAGCCAGTCATGCAGCCCTTGCTGCTGGGGCCTTCTCGAGGAG GTGGCAGAGGGTACCCAGCCCAGACAGAGAGTGAGCCAAAGGTGCTGGACCCAGAGGAG GATCTGCTGTGCATAGCCAAGACCTTCTCCTACCTTCGGGAATCTGGCTGGTATTGGGGT TCCATTACGGCCAGCGAGGCCCGACAACACCTGCAGAAGATGCCAGAAGGCACGTTCTTA GTACGTGACAGCACGCACCCAGCTACCTGTTACGCTGTCAGTAAAACCACTCGTGGC CCCACCAATGTACGCATTGAGTATGCCGACTCCAGCTTCCGTCTGGACTCCAAGTCTTG TCCAGGCCACGCATCCTGGCCTTCCGGATGTGGTGCAGCCTTGTGCAGCACTATGTGGCC TCCTGCACTGCTGATACCCGAAGCGACAGCCCCGATCCTGCTCCACCCCGGCCCTGCT ATGCCTAAGGANGATGCGCCTAGTGACCCAGCACTGCCTGCTCCTNACCAGCCACTGCT GTACACCTAAAAGTGGTGCAGCCCTTTGTACGCAGAAGCAGTGCCCGCAGCCCTGCACAC CTGTGCCGNCTTGTCAACCGTCTGGTGGCCGACGTGGACTGCCTGCCACTGGCCCGN NGCATGGGCGACTACCTNCGAAAGTACCCTTNCAGCTTTGACTGTACGGGGACATTTGC CCACCCTTACCCAGNTGCACCCCTGGAGGGGAATCAACCCAGCTGGACTGGGNGCCCCA CTGNCCTTCTCCAGCATNCTGNNGGCTGCATACCTTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_145071
Insert Size:	2000 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_145071.1</u> , <u>NP_659508.1</u>
RefSeq Size:	2035 bp
RefSeq ORF:	777 bp
Locus ID:	1154
UniProt ID:	<u>Q9NSE2</u>
Cytogenetics:	3p21.2
Domains:	SH2, SOCS

Protein Families: Druggable Genome

Protein Pathways: Jak-STAT signaling pathway

Gene Summary: 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]
Transcript Variant: This variant (2) lacks a segment in the 5' UTR and coding region compared to variant 1. The translation begins at an in-frame upstream start codon, and results in an isoform (2) with a different N-terminus, as compared to isoform 1.