

Product datasheet for **RC231426**

CD130 (IL6ST) (NM_001190981) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD130 (IL6ST) (NM_001190981) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD130
Synonyms:	CD130; CDW130; GP130; HIES4; IL-6RB; sGP130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC231426 representing NM_001190981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGACGTTGCAGACTTGGCTAGTGCAAGCCTTGTTTATTTTCTCACCAGTGAATCTACAGGTGAAC
 TTCTAGATCCATGTGGTTATATCAGTCCTGAATCTCCAGTTGTACAACCTCATTCTAATTTCACTGCAGT
 TTGTGTGCTAAAGGAAAAATGTATGGATTATTTTCATGTAATGCTAATTACATTGTCTGAAAAACAAAC
 CATTTTACTATTCTAAGGAGCAATATACTATCATAAACAGAACAGCATCCAGTGTACCTTTACAGATA
 TAGCTTCATTAATATTCAGCTCACTTGAACATTCTTACATTCCGACAGCTTGAACAGAATGTTTATGG
 AATCACAATAATTTAGGCTTGCCTCCAGAAAAACCTAAAAATTTGAGTTGCATTGTGAACGAGGGGAAG
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 GGGCAACACACAAGTTTGTGATTGCAAGCAAAACGTGACACCCACCTCATGCACTGTTGATTATTC
 TACTGTGATTTTGTCAACATTGAAGTCTGGGTAGAAGCAGAGAATGCCCTTGGGAAGGTTACATCAGAT
 CATATCAATTTTGTATCTGTATATAAAGTGAAGCCCAATCCGCCACATAATTTATCAGTGATCAACTCAG
 AGGAACTGTCTAGTATCTTAAAATTGACATGGACCAACCAAGTATTAAGAGTGTATAATACTAAAATA
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 CGATCTTCATTCACTGTCCAAGACCTTAAACCTTTACAGAATATGTGTTTAGGATTCGCTGTATGAAGG
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 CAGAATATACATTGTCTCTTTGACTAGTGACACATTGTACATGGTACGAATGCCAGCATACACAGATGA
 AGGTGGGAAGGATGGTCCAGAATCACTTTTACTACCCAAAGTTTGTCAAGGAGAAATGAAGCCATA
 GTCGTGCCTGTTGCTTAGCATTCTATTGACAACTCTTCTGGGAGTGTCTGCTTTAATAAGCGAG
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ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231426 representing NM_001190981
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MLTLQTWLVQALFIFLTTESTGELLDPGYSIPESPVVQLHSNFTAVCVLKEKCMDYFHVNYIVWKTN
 HFTIPKEQYTIINRTASSVTFTDIASLNIQLTCNILTFGQLEQNVYGITIISGLPPEKPKNLSCIVNEGK
 KMRCEWDGGRETHLETNFTLKSEWATHKFADCKAKRDTPTSTVDYSTVYFVNIEVWVEAENALGKVTSD
 HINFDPVYKVKPNPPHNLSVINSEELSSILKLTWTNPSIKSVIILKYNIQYRTKDASTWSQIPPEDTAST
 RSSFTVQDLKPFTEYVFRIRCMKEDGKGYSDWSEEASGITIEDRPSKAPSFWKIDPSHTQGYRTVQLV
 WKTLPPFEANGKILDYEVTLTRWKSHLQNYTVNATKLTVNLNDRYLATLTVRNLVGKSDAAVLTIPACD
 FQGNLAESKCYLITVTPVYADGPGSPESIKAYLKQAPPSKGPTVRTKVKVGNKNEAVLEWDQLPVDVQNGFI
 RNYTIFYRTIIGNETAVNVDSSTHEYTLSSLTSDTLYMVRMAAYTDEGGKDGPEFTFTPKFAQGEIEAI
 VVPVCLAFLLTLLGVLFCFNKRDLIKHHIWPVNPDPKSHIAQWSPHTPPRHNFNSKDQMSYSDGNFTDV
 SVVEIEANDKKPFPEDLKSLDLFKKEKINTEGHSSGIGGSSCMSSSRPSISSSDENESSQNTSSTVQYST
 VVHSGYRHQVPSVQVFSRSESTQPLLDSEERPDLQLVDHVDGGDGILPRQQYFKQNCQSQHESPDISHF
 ERSKQVSSVNEEDFVRLKQQISDHSISQSCGSGQMCMFQEVSAADAFGPGTEGQVERFETVGMEEATDEGM
 PKSYLPQTVRQGGYMPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

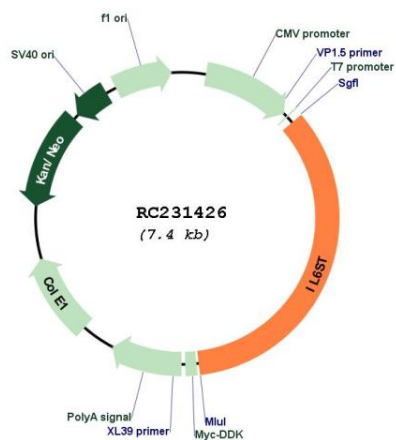
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001190981
ORF Size:	2571 bp
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.
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:	NM_001190981.2
RefSeq ORF:	2574 bp
Locus ID:	3572
UniProt ID:	P40189
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
MW:	96.7 kDa
Gene Summary:	The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17. [provided by RefSeq, May 2014]

Product images:



Circular map for RC231426