

Product datasheet for **SC322130**

Transferrin (TF) (NM_001063) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transferrin (TF) (NM_001063) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transferrin
Synonyms:	HEL-S-71p; PRO1557; PRO2086; TFQTL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001063 edited
 AGGAGCGAGTCCGACTGTGCTCGCTGCTCAGCGCCGACCCGGAGGATGAGGCTCGCCGT
 GGGAGCCCTGCTGGTCTGCGCCGCTCTGGGGCTGTGTCTGGTGTCCCTGATAAACTGT
 GAGATGGTGTGCAGTGTCCGAGCATGAGGCCACTAAGTGCCAGAGTTCCGCGACCATAT
 GAAAAGCGTCATTCCATCCGATGGTCCCAGTGTGCTTGTGTGAAGAAAGCCTCCTACCT
 TGATTGCATCAGGGCCATTGCGGCAAACGAAGCGGATGCTGTGACACTGGATGCAGGTTT
 GGTGTATGATGCTTACCTGGCTCCCAATAACCTGAAGCCTGTGGTGGCAGAGTTCTATGG
 GTCAAAAGAGGATCCACAGACTTTCTATTATGCTGTTGCTGTGGTGAAGAAGGATAGTGG
 CTTCCAGATGAACCAGCTTCGAGGCAAGAAGTCCTGCCACACGGGTCTAGGCAGGTCCGC
 TGGGTGGAACATCCCATAGGCTTACTTTACTGTGACTTACCTGAGCCACGTAACCTCT
 TGAGAAAGCAGTGGCAAATTTCTTCTCGGGCAGCTGTGCCCTTGTGCGGATGGGACGGA
 CTTCCCCAGCTGTGCAACTGTGTCCAGGGTGTGGCTGCTCCACCCTTAACCAATACTT
 CGGCTACTCAGGAGCCTCAAGTGTCTGAAGAATGGTGTGGGATGTGGCCTTTGTCAA
 GCACTCGACTATATTTGAGAACTTGGCAAACAAGGCTGACAGGGACCAGTATGAGCTGCT
 TTGCTTGACAACACCCGGAAGCCGGTAGATGAATACAAGGACTGCCACTTGGCCAGGT
 CCTTCTCATACCGTCTGGCCCGAAGTATGGGCGCAAGGAGGACTTGATCTGGGAGCT
 TCTCAACCAGGCCAGGAACATTTTGGCAAAGCAAAATCAAAAGAATTCCAACATTTAG
 CTCTCCTCATGGGAAGGACCTGCTGTTTAAAGACTCTGCCACGGGTTTTTAAAAGTCCC
 CCCCAGGATGGATGCCAAGATGTACCTGGGCTATGAGTATGCTACTGCCATCCGGAATCT
 ACGGGAAGGCACATGCCAAGAAGCCCCAACAGATGAATGCAAGCCTGTGAAGTGGTGTGC
 GCTGAGCCACCACGAGAGGCTCAAGTGTGATGAGTGGAGTGTTAACAGTGTAGGGAAAAT
 AGAGTGTGATCAGCAGAGACCACCGAAGACTGCATCGCCAAGATCATGAATGGAGAAGC
 TGATGCCATGAGCTTGGATGGAGGTTTTGTCTACATAGCGGGCAAGTGTGGTCTGGTGCC
 TGTCTTGGCAGAAAACACTACAATAAGAGCGATAATTGTGAGGATACACCAGAGGCAGGGTA
 TTTTGCTGTAGCAGTGGTGAAGAAATCAGCTTCTGACCTCACCTGGGACAATCTGAAAGG
 CAAGAAGTCTGCCATACGGCAGTTGGCAGAACCCTGGTGGAAACATCCCATGGGCT
 GCTCTACAATAAGATCAACCACTGCAGATTTGATGAATTTTTAGTGAAGTTGTGCCCC
 TGGGTCTAAGAAAGACTCCAGTCTCTGTAAGCTGTGTATGGGCTCAGGCCTAACCTGTG
 TGAACCCAAACAACAAGAGGGTACTACGGCTACACAGGCCTTTCAGGTGTCTGGTTGA
 GAAGGGAGATGTGGCCTTTGTGAAACACCAGACTGTCCCACAGAACACTGGGGAAAAAA
 CCCTGATCCATGGGCTAAGAATCTGAATGAAAAGACTATGAGTTGCTGTGCCTTGATGG
 TACCAGGAAACCTGTGGAGGAGTATGCGAACTGCCACCTGGCCAGAGCCCGAATCACGC
 TGTGGTACACGGAAAGATAAGGAAGCTTGCCTCCACAAGATATTACGTCAACAGCAGCA
 CCTATTTGGAAGCAACGTAACCTGACTGCTCGGGCAACTTTTGTGTTCCGGTCGGAAAC
 CAAGGACCTTCTGTTTCAAGATGACACAGTATGTTTGGCCAAACTTCATGACAGAAACAC
 ATATGAAAAATACTTAGGAGAAGAATATGTCAAGGCTGTTGGTAACTGAGAAAAATGCTC
 CACCTCATCACTCCTGGAAGCCTGCACCTTCCGTAGACCTTAAAATCTCAGAGGTAGGGC
 TGCCACCAAGGTGAAGATGGGAACGCAGATGATCCATGAGTTTGCCTGGTTTCACTGGC
 CCAAGTGGTTTTGTGCTAACCACGCTGTCTTACAGCTCTGTGTTGCCATGTGTGCTGAA
 CAAAAAATAAAAAATTATTATTATTTAAAAAAGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001063
Insert Size: 2300 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_001063.2](#), [NP_001054.1](#)

RefSeq Size: 2318 bp

RefSeq ORF: 2097 bp

Locus ID: 7018

UniProt ID: [P02787](#)

Cytogenetics: 3q22.1

Domains: TR_FER

Protein Families: Druggable Genome, Secreted Protein

Gene Summary:

This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009]
Transcript Variant: This variant (1) encodes the longest isoform (1).