

Product datasheet for SC321917

Intrinsic Factor (GIF) (NM_005142) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Intrinsic Factor (GIF) (NM_005142) Human Untagged Clone
Tag:	Tag Free
Symbol:	Intrinsic Factor
Synonyms:	GIF; IF; IFMH; INF; TCN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005142.2
 TTGCAAATCGCGTACCTGTGGATGAGAGACATAGACGAGAGAGTGAGATGGCCTGGTTT
 GCCCTCTACCTCTGAGCCTTCTCTGGGCTACAGCTGGGACTAGTACCCAGACCCAGAGT
 TCATGCTCCGTTCCCTCAGCACAGGAGCCCTTGGTCAATGGAATACAAGTACTCATGGAG
 AACTCGGTGACTTCATCAGCCTACCCAAACCCAGCATCCTGATTGCCATGAATCTGGCC
 GGAGCCTACAACCTGAAGGCCAGAAAGCTCCTGACTTACCAGCTCATGTCCAGCGACAAC
 AACGATCTAACATTGGGCAGCTCGGCCTACCATCATGGCCCTCACCTCCTCTGCCGA
 GACCCTGGGGATAAAGTATCCATTCTACAAAGACAAATGGAGAAGTGGGCACCTTCCAGC
 CCCAACGCTGAAGCATCAGCCTTCTATGGGCCAGTCTAGCGATCTTGGCACTGTGCCAG
 AAGAACTCTGAGGCGACCTTGGCGATAGCCGTCGGCTTTGCCAAGACCCTGCTGGCCAAC
 TCCTCTCCCTTCAATGTAGACACAGGAGCAATGGCAACCTTGGCTCTGACCTGTATGTAC
 AACAAGATCCCTGTAGGTTACAGAGGAAGTTACAGATCCCTGTTGGTACAGGACTAAAG
 GATATTGTGGAGAAAATCAGCATGAAGATCAAAGATAATGGCATCATTGGAGACATCTAC
 AGTACTGGCCTCGCCATGCAGGCTCTCTCTGTAACACCTGAGCCATCTAAAAAGGAATGG
 AACTGCAAGAAGACTACGGATATGATACTCAATGAGATTAAGCAGGGGAAATCCACAAC
 CCCATGTCCATTGCTCAAATCCTCCCTTCCCTGAAAGGCAAGACATACCTAGATGTGCC
 CAGGTCACCTGTAGTCTGATCATGAGGTACAACCACTTACCCAGCAACCCTGGCCCT
 GGCCCCACCTCTGCATCTAACATCACTGTATACACCATAAATAACCAGCTGAGGGGG
 GTTGAGCTGCTCTCAACGAGACCATCAATGTTAGTGTGAAAAGTGGGTCAGTGTACTT
 GTTGTCCCTAGAGGAAGCACAGCGCAAAAATCCTATGTTCAAATTTGAAACCACAATGACA
 TCTTGGGGCCTTGTGCTCTCTTCTATCAACAATATCGCGGAAAATGTTAATCACAAGACA
 TACTGGCAGTTTCTTAGTGGTGAACACCTTTGAATGAAGGGGTGCTGACTACATACCC
 TTCAACCACGAGCACATCACAGCAATTTACACAGTACTAACGAAGAGGTGGGTTACAGC
 TTCTATCAAACATCTCCAAAGGATGGGTGAAATTTTTTCCACTTCATTTTAAATCTATGC
 AAAAAAGCGAATGCCTGTGATGCTACCATATTCTGGTAAAAACATGGAGAACCCTATG
 TAGAATAAAAAATGCAAAGTTCCTGGAGTCTCAACATCTATGACTCATGAAAATAAAAT
 TTCATCTTCTCAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_005142
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:	<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_005142.2 , NP_005133.2
RefSeq Size:	1536 bp
RefSeq ORF:	1254 bp
Locus ID:	2694
UniProt ID:	P27352
Cytogenetics:	11q12.1
Protein Families:	Secreted Protein
Gene Summary:	This gene is a member of the cobalamin transport protein family. It encodes a glycoprotein secreted by parietal cells of the gastric mucosa and is required for adequate absorption of vitamin B12. Vitamin B12 is necessary for erythrocyte maturation and mutations in this gene may lead to congenital pernicious anemia. [provided by RefSeq, Jul 2008]