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Product datasheet for SC120145

RFT1 (NM_052859) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFT1 (NM_052859) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFT1
Synonyms:	CDG1N
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_052859, the custom clone sequence may differ by one or more nucleotides

ATGGGCAGCCAGGAGGTGCTGGGCCACGCGGCCCGGCTGGCCTCCTCCGGTCTCCTCCTGCAGGTGTTGT
TTCGGTTGATCACCTTTGTCTTGAATGCATTTATTCTTCGCTTCCTGTCAAAGGAAATCGTTGGCGTAGT
AAATGTAAGACTAACGCTGCTTTACTCAACCACCCTCTTCCTGGCCAGAGAGGCCTTCCGCAGAGCATGT
CTCAGTGGGGGCACCCAGCGAGACTGGAGCCAGACCCTCAACCTGCTGTGGCTAACAGTCCCCCTGGGTG
TGTTTTGGTCCTTATTCCTGGGCTGGATCTGGTTGCAGCTGCTTGAAGTGCCTGATCCTAATGTTGTCCC
TCACTATGCAACTGGAGTGGTGCTGTTTGGTCTCTCGGCAGTGGTGGAGCTTCTAGGAGAGCCCTTTTGG
GTCTTGGCACAAGCACATATGTTTGTGAAGCTCAAGGTGATTGCAGAGAGCCTGTCGGTAATTCTTAAGA
GCGTTCTGACAGCTTTTCTCGTGCTGTGGTTGCCTCACTGGGGATTGTACATTTTCTCTTTGGCCCAGCT
TTTCTATACCACAGTTCTGGTGCTCTGCTATGTTATTTATTTCACAAAGTTACTGGGTTCCCCAGAATCA
ACCAAGCTTCAAACTCTTCCTGTCTCCAGAATAACAGATCTGTTACCCAATATTACAAGAAATGGAGCGT
TTATAAACTGGAAAGAGGCTAAACTGACTTGGAGTTTTTTCAAACAGTCTTTCTTGAAACAGATTTTGAC
AGAAGGCGAGCGATATGTGATGACATTTTTGAATGTATTGAACTTTGGTGATCAGGGTGTGTATGATATA
GTGAATAATCTTGGCTCCCTTGTGGCCAGATTAATTTTCCAGCCAATAGAGGAAAGTTTTTATATATTTT
TTGCTAAGGTGCTGGAGAGGGGAAAGGATGCCACACTTCAGAAGCAGGAGGACGTTGCTGTGGCTGCTGC
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TCTCAGCTGGCTCTGGATATCTACGGAGGGACCATGCTTAGCTCAGGATCCGGTCCTGTTTTGCTGCGTT
CCTACTGTCTCTATGTTCTCCTGCTTGCCATCAATGGAGTGACAGAGTGTTTCACATTTGCTGCCATGAG
CAAAGAGGAGGTCGACAGGTACAATTTTGTGATGCTGGCCCTGTCCTCCTCATTCCTGGTGTTATCCTAT
CTCTTGACCCGTTGGTGTGGCAGCGTGGGCTTCATCTTGGCCAACTGCTTTAACATGGGCATTCGGATCA
CGCAGAGCCTTTGCTTCATCCACCGCTACTACCGAAGGAGCCCCCACAGGCCCCTGGCTGGCCTGCACCT
ATCGCCAGTCCTGCTCGGGACATTTGCCCTCAGTGGTGGGGTTACTGCTGTTTCGGAGGTATTCCTCTGC
TGTGAGCAGGGCTGGCCAGCCAGACTGGCACACATTGCTGTGGGGGCCTTCTGTCTGGGAGCAACTCTCG
GGACAGCATTCCTCACAGAGACCAAGCTGATCCATTTCCTCAGGACTCAGTTAGGTGTGCCCAGACGCAC
TGACAAAATGACATGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052859 unedited
TTTTGGTATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCTGGCGCGGAGGC
TATGGGCAACCAGGAGGTGCTGGGCCACGCGGCCCGGCTGGCCTCCTCCGGTCTCCTCCT
GCAGGTGTTGTTTCGGCTGATCACCTTTGTCTTGAATGCATTTATTCTTCGCTTCCTGTC
AAAGGAAATCGTTGGCGTAATAAATGTAAGACTAACGCTGCTTTACTCAACCACCCTCTT
CCTGGCCAGAGAGGCCTTCCGCATAGCATGTCTCAGCGGGGGCACCCAACGAGACTGGAG
CCAGACCCTCAACCTGCTGTGGCTAACAGTCCCCCTGGGTGTGTTTTGGTCCTTATTCCT
GGGCTGGATCTGGTTGCAGCTGCTTGAAGTGCCTGATCCTAATGTTGACCCTCACTATGC
AACTGGAGTGGTGCTGATAGGTCTCTCGGCAGAGGTGGAGCTTCTAGGAGAGCCCTTTTG
GGTCTTGGCACAAGCACATATGTCCGCGAAGCTCAAGGTGATTGCAGAGAGCCTGTCGGT
AATTCTTAAGAGCGGTCTGACAGCTTTTCTCGCGCTGCGGTTGCCTCACTGAGGATTGCA
CATTATCTCTTTGGCCCAGCTTTTCTATACCACACTTCTGGCGCTCTGCTATGTTATTTA
TTTCACATAGTTACTGGGATACCCACAATCAACCAAGCTTGAAACTCTTCCTGTCTACAC
AATAACAGATCTGCTACCCAATATGTACAGACTATGGAGCGTTATAAACTGGCAAGACGC
TAAACTGACTGGNAGTATATTCAAACAGTCTCTCTTTGAACAGACTNTGTCAGCATGCGA
GCGATATGTGATGACATTTTTGTATGCATTGAACGTTCGTGACCAGGGTGCTGTATGATA
TAGGAAATATCTCGACTTCC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_052859 unedited
CATGGNGATGGCACTTCCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCCACC
CGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTT
TTTTTTTTTCCAGGGCCACACCCTGTTTCCATGAGCTGCATGAAAGAGAGAGGTTTCTCT
CTCTCTTTCACCGAAAAACTTCATTGTTCCTGTGAAGGGTAAAATCACTGCTTCTCTTTT
TCTGGGCCAGATGCTTATTCCCAGTTAACATATAGGATACAGCTTGTTGGAGCATGTGAC
TCCAAAGGCCAATCTTCCGCTGAAGGACTGATTCTCTTACTCAAAGAGAAGATGCTGGCT
ACTATCAACTGATGCACAACTATTATTTCTAAAGGGCTTTCGGTCTTCACTTAAAAATGA
CACTCCCCCGCCGCATTACACACTTCTAATGGGCACAGGTGTCTCATGCACTGACACTCT
CTGTGGCCTCATCTCTGGGGTTGCTGTCTCTCCGCTGCAGAGCCCTCAGTGAGGCTCTTA
CACAGAATGTGTGCTACCCACAGACTACCCATAGCTGGTCCAGGTGCCTCAGATGTACAG
GCTTCCCTGAGTCAGGTCATTTTGTCAGTGCCGTTAGGCACACCTAACTGTGTCCTGGAG
AACGTATCCAGCTTGACTCTGTGAGGAATGCGGTTCAAGTGTTGCTACCATACACAGGCC
CGCACAATCATGTGTGCCATTCAGCATGGCCTTCCTTGCTTAGACTTGATGAGTCCCTGA
AACCAGGGCTAACCCTCCTCTTGAGGCAAAGGTCCCAAATAGGACTGAGGATTGTGCCAG
CACAACCCGGTCCTTGGGGGAGCTCC
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Restriction Sites: NotI-NotI

ACCN: NM_052859

Insert Size: 1700 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).

RefSeq: NM_052859.2, NP_443091.1

RefSeq Size: 2810 bp

RefSeq ORF: 1626 bp

Locus ID: 91869

UniProt ID: Q96AA3

Domains: Rft-1

Protein Families: Transmembrane

Protein Pathways: N-Glycan biosynthesis

Gene Summary: This gene encodes an enzyme which catalyzes the translocation of the Man(5)GlcNAc (2)-PP-Dol intermediate from the cytoplasmic to the luminal side of the endoplasmic reticulum membrane in the pathway for the N-glycosylation of proteins. Mutations in this gene are associated with congenital disorder of glycosylation type In.[provided by RefSeq, Dec 2008]