

Product datasheet for **MR216118**

Cyb5r4 (NM_024195) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyb5r4 (NM_024195) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyb5r4
Synonyms:	2810034J18Rik; B5+B5R; b5/b5r; b5b5r; C79736; Cb5cb5r; Ncb5or
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216118 representing NM_024195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAACGTCCTTCCAGGCTTCCCGGCCCCCGGCTCCAGCAGCGCGTCTCTCCAGGGGCGCA
 GCAAGGTACCTTTAAAACAAGGCAGGAGTCTTATGGATTGGATCCGACTGACCAAGAGTGAAAGGACTT
 AACAGGATTGAAGGGCGGGTAAATTGAAGTAAGTGAAGAAGAGCTTAAGAAGCACAAAGAAGAAAGAT
 TGTTGGATATGCATAAGAGGGTTTGTACAACGTCAGCCCTTATATGGAGTACCATCCGGTGGGGAGG
 ATGAACTCATGAGAGCCGAGGACCGATGGAACAGATCTTTTAAATGAGGTTTCATCGTTGGGTCATTA
 TGAATCCATGCTGAAAGAATGCCTGGTTGGCAGGATGGCTGTGAAGCCTGCTGTTCCAAAAGACTGTCAT
 GAAGGAAAGAGAGTCTTAAATGGCATGCTTCCCAAGAGCCAAATGTCAGACACACTGCCAGGGATGTGA
 CAGACACACTGCCAGGGAAGACCTCAGTTCTCCAAGCTATGATTGGTTCCAACAGAGTCTTCAGTCAC
 CATTGTTGTATACACAAACAAAAGAATATCAGTTTAGACTCAGTAATCGTTGACCTCCAGGATGACTCC
 TTGAGAGCAGAAGCAGTCATCAAGGATCACTCTTACCTTGATACATGTTGGGCTAAGCCATGAAGTTCAAG
 AAAATTTTTCTGTACGGTTATTGAAAATGTTGAAAAATAGAGATTGCTCTACAAAAGAAAGAAAGTGT
 TTCTTGGCAATGTCTTGGTGATCACCTGGAGAAACATGATTCTTTCATCCAAAGAAAGATACAGGCTTG
 TACTACAGACGGTGCCAGTTAATATCTAAGGAAGATGTCACCTCATGACACGAGACTTTTCTGTCTGATGC
 TGCTCCAAGTACTCACCTTCAGGTGCCAGTTGGACAACATGTTACCTCAAGCTCAGTGTACAGGTGC
 AGAAATAGTAAAGCCATATACACCCGTGCTGATTCTTACTCTCAGATTTTAAAGAACCAGTCTTTTCC
 CCAATAAATACATCTGCTTTTTGATCAAATCTATCTGCTGGACTCTCACACCAGAGCTTGATCGTC
 TTCAGATTGGAGATTTTATTCTGTAAGCGGACCTGAAGCGGATTTTAAAGTATCCAAACTCCAGGAAGT
 AGAAGATCTCTTTCTATTGGCAGCCGGAACAGGATTCACACCAATGGTCACTGTACTGAATTATGCTTTG
 TCTCACATGTCCAGTCTCAGGAAGGTGAAGTTGATGTTCTTCAATAAAACAGAGGACGATATAATTTGGA
 GATGTCAGCTAGAGAAGTTGGCATTAAAGAGAAAAAGATTTGATGTTGAATTTGTTCTCTCGGCACCTTC
 TCCAGAATGGAATGGCAAACAGGACACATATCACGAGCTCTTCTCTGAATTTTGAAGAAGTTCA
 GAAAACCTAGGGCCTTCTTTGCATCTGCGGACCAACACCATTACTGACGAGGGGATAAAGTTGCTGC
 ATGATCTTAACCTTTCTGATGATGAGATTCACGGATTCACCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MLNVPSQAFPAPGSQQRVSSQGRSKVPLKQGRSLMDWIRLTKSGKDLTGLKGGLEIVTEEELKHKHKED
 CWICIRGFVYNVSPYMEYHPGGEDELMRAAGADGTDLFNEVHRWVNYESMLKECLVGRMAVKPAVPKDCH
 EGKRVLNGMLPKSQMSDTLPRDVTDTLPREDLSSPSYDWFQTESSVTIVVYTKQKNISLDSVIVDLQDDS
 LRAEAVIKDHSYLHVHGLSHEVQENFSVRVIENVGKIEIVLQKKEVSWQCLGDHLEKHDSFIPKKTGL
 YYRRCQLISKEDVTHDTRLFCLMLPPSTHLQVPVGHVYLKLSVTGAEIVKPYTPVSDSLLSDFKEPVL
 PNKYICFLIKIYPAGLFTPELDRLQIGDFISVSGPEGDFKVSQLEVEDLFLAAGTGFTPMVTVLNYAL
 SHMSSLRKVKLMFFNKTEDDIWRCQLEKLALREKRFDFEVL SAPSPEWNGKQGHISRALLSEFLQRSS
 ENSRAFLCICGPTPFTDEGIRLLHDLNFSDEIHGFTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9085_d10.zip

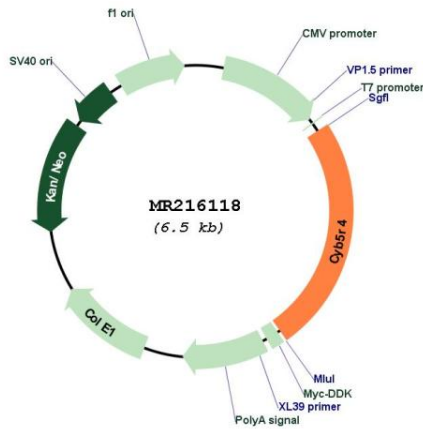
Restriction Sites:

Sgfl-MluI

MW: 59.7 kDa

Gene Summary: NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216118