

Product datasheet for RC209455

Cytochrome b reductase 1 (CYBRD1) (NM_024843) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytochrome b reductase 1 (CYBRD1) (NM_024843) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cytochrome b reductase 1
Synonyms:	CYB561A2; DCYTB; FRRS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209455 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATGGAGGGCTACTGGCGCTTCTGGCGCTGCTGGGGTCGGCACTGCTCGTCGGCTTCTGTCTCGG
TGATCTTCGCCCTCGTCTGGGTCTCCACTACCGAGAGGGGCTTGGCTGGGATGGGAGCGCACTAGAGTT
TAACTGGCACCCAGTGCTCATGGTCACCGGCTTCGTCTTCATCCAGGGCATCGCCATCATCGTCTACAGA
CTGCCGTGGACCTGAAATGCAGCAAGCTCCTGATGAAATCCATCCATGCAGGGTAAATGCAGTTGCTG
CCATTCTTGCAATTATCTCTGTGGTGGCGGTGTTGAGAACCACAATGTTAACAATATAGCCAATATGTA
CAGTCTGCACAGCTGGGTGGACTGATAGCTGTATGCTATTTGTTACAGCTTCTTTCAAGTTTTTCA
GTCTTTCTGCTTCCATGGGCTCCGCTTCTCTCCGAGCATTCTCATGCCATACATGTTTATTCTGGAA
TTGTCACTTTGGAACAGTGATTGCAACAGCACTTATGGGATTGACAGAGAACTGATTTTTTCCCTGAG
AGATCCTGCATACAGTACATTCGCCGAGAAGGTGTTTTCGTAAATACGCTTGGCCTTCTGATCCTGGTG
TTCGGGGCCCTCATTTTTTGGATAGTCACCAGACCGCAATGGAACGTCCTAAGGAGCCAAATCTACCA
TTCTTCATCCAAATGGAGGCACTGAACAGGGAGCAAGAGGTTCCATGCCAGCCTACTCTGGCAACAACAT
GGACAAATCAGATTCAGAGTTAAACAATGAAGTAGCAGCAAGGAAAAGAACTTAGCTCTGGATGAGGCT
GGCAGAGATCTACCATG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_024843.4](#)

RefSeq Size: 4390 bp

RefSeq ORF: 861 bp

Locus ID: 79901

UniProt ID: [Q53TN4](#)

Cytogenetics: 2q31.1

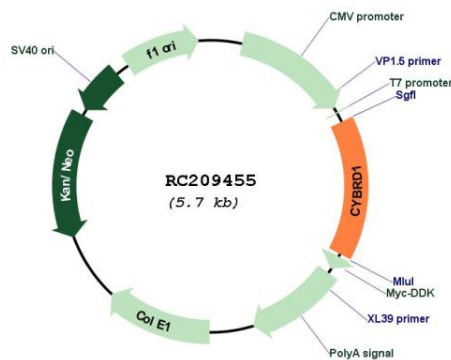
Domains: Cytochrome_B561, B561

Protein Families: Transmembrane

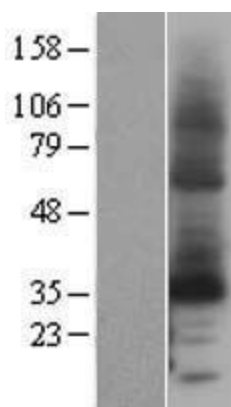
MW: 31.7 kDa

Gene Summary: This gene is a member of the cytochrome b(561) family that encodes an iron-regulated protein. It highly expressed in the duodenal brush border membrane. It has ferric reductase activity and is believed to play a physiological role in dietary iron absorption. [provided by RefSeq, Jul 2008]

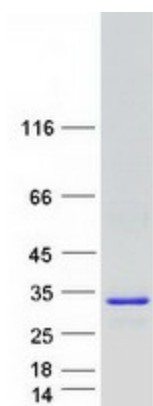
Product images:



Circular map for RC209455



Western blot validation of overexpression lysate (Cat# [LY403034]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209455 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CYBRD1 protein (Cat# [TP309455]). The protein was produced from HEK293T cells transfected with CYBRD1 cDNA clone (Cat# RC209455) using MegaTran 2.0 (Cat# [TT210002]).