

Product datasheet for **RC203637**

RDH13 (NM_138412) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RDH13 (NM_138412) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RDH13
Synonyms:	SDR7C3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203637 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGTGTGAGGCGGCAGCAAAGGACATCCGCGGGGAGACCCTCAATCACCATGTCAACGCCCGGC
ACCTGGACTTGGCTTCCCTCAAGTCTATCCGAGAGTTTGCAGCAAAGATCATTGAAGAGGAGGAGCGAGT
GGACATTCTAATCAACAACGCGGTGTGATGCGGTGCCCCACTGGACCACCGAGGACGGCTTCGAGATG
CAGTTTGGCGTTAACCACCTGGGTCACTTCTCTTGACAACTTGCTGCTGGACAAGCTGAAAGCCTCAG
CCCCTTCGCGGATCATCAACCTCTCGTCCCTGGCCATGTTGCTGGGCACATAGACTTTGACGACTTGAA
CTGGCAGACGAGGAAGTATAACACCAAAGCCGCTACTGCCAGAGCAAGCTCGCCATCGTCTTTCACC
AAGGAGCTGAGCCGGCGCTGCAAGGCTCTGGTGTGACTGTCAACGCCCTGCACCCCGGCGTGGCCAGGA
CAGAGCTGGGCAGACACGCGGCATCCATGGCTCCACCTTCTCCAGCACCACACTCGGGCCCATCTTCTG
GCTGCTGGTCAAGAGCCCGAGCTGGCCGCCAGCCAGCACATACCTGGCCGTGGCCGAGGAAGTGGCG
GATGTTCCGAAAGTACTTCGATGGACTCAAACAGAAGGCCCGGCCCGGAGGCTGAGGATGAGGAGG
TGGCCCGAGGCTTTGGGCTGAAAGTGCCCGCTGGTGGGCTTAGAGGCTCCCTCTGTGAGGGAGCAGCC
CTCCCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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_138412.4](#)

RefSeq Size: 2023 bp

RefSeq ORF: 783 bp

Locus ID: 112724

UniProt ID: [Q8NBN7](#)

Cytogenetics: 19q13.42

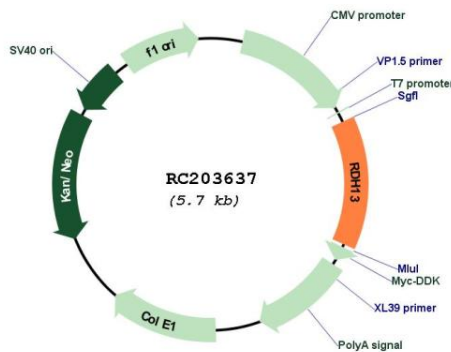
Domains: adh_short

Protein Families: Druggable Genome

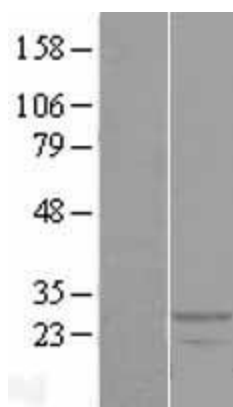
MW: 28.8 kDa

Gene Summary: This gene encodes a mitochondrial short-chain dehydrogenase/reductase, which catalyzes the reduction and oxidation of retinoids. The encoded enzyme may function in retinoic acid production and may also protect the mitochondria against oxidative stress. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RC203637



Western blot validation of overexpression lysate (Cat# [LY408670]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203637 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).