

Product datasheet for **MR210264**

Ehhadh (NM_023737) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehhadh (NM_023737) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehhadh
Synonyms:	1300002P22Rik; HD; L-PBE; LBFP; LBP; MFP; MFP1; PBFE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210264 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGGCTGAGTATCTGAGGCTGCCCACTCCCTGGCTATGATCCGCCTCTGCAATCCACGGTCAATGCCA
TCAGTCCAAGTGTAAATCACAGAAGTAAGGAATGGACTCCAGAAAGCTAGTTTGGACCATACGGTTAGAGC
CATAGTGATCTGTGGAGCAAATGACAACTTCTGTGCAGGTGCTGATATCCATGGCTTTAAATCTCCCACT
GGCCTTACATTAGGAAGCTTGGTAGATGAAATACAGCGATACCAGAAGCCAGTGGTGGCCGCCATCCAAG
GCGTGGCTCTTGGAGGAGGACTAGAGCTGGCCTTGGGCTGTCACTATCGGATTGCCAATGCAAAGGCTCG
TGTTGGCTTCCCGAAGTGATGCTGGGAATTCTCCTGGTGAAGAGGAACGCAGCTTCTACCCAGGGTC
GTTGGAGTTCTGTTGCTCTTGACTTAATTACCTCAGGAAGACATATTTCAACAGATGAAGCACTCAAGC
TTGGAATTCTGGATGTAGTTGTAAGTCAGACCCAGTTGAAGAAGCCATCAAATTTGCTCAGACGGTTAT
AGGTAAACCCATAGAACCCCGCAGGATCCTAAACAAGCCAGTCCCAAGCTTGCCCAACATGGACAGTGTT
TTTGACAGAAGCCATTGCCAAGGTACGGAAGCAGTACCCTGGCCGCTGGCTCCGGAGACTTGTGTCCGTT
CAGTCCAGGCCTCCGTGAAGCATCCATATGAAGTGGCCATCAAGGAAGAAGCAAAGCTGTTTATGTACCT
TCGGGGTTCGGGGCAGGCTAGAGCCCTGCAGTACGCCTTTTTTGTGAAAAGTCTGCAAATAAGTGGTCA
ACTCCCTCAGGAGCATCTTGAAAACAGCATCTGCTCAACCCGCTCCTCGGTTGGTGTCTTGGCTTGG
GAACGATGGGCCGAGGCATCGCCATCTCTTTTGAAGGGTGGGGATCCCTGTGGTTGCTGTAGAGTCAGA
CCCAAAGCAGCTAGATACTGCAAAGAAGATAATAACTTCCACCTTGAAAAGGAAGCATCGAAGAGTGGC
CAAGCTTCAGCAAACCAAACCTCAGGTTCTCCTCATCCCAAAGGAGCTTTCGAGTGTGGATTTAGTGA
TTGAAGCAGTGTTCGAAGATATGAACCTGAAGAAGAAGTCTTCGCTGAAGTGTGAGCCCTGTGCAAGCC
GGGAGCCTTTCTGTGCACCAATACCTCAGCACTGGATGTGGATGACATTGCTTCTTCCACAGATCGCCCC
CAGCTGGTATTGGCACCACTTCTTCTCCCCAGCCACATCATGAGGTTACTAGAGGTCATTCTAGCC
GATACTCTTCCCCACTACCATCGCCACAGTCATGAGCTTATCCAAAAGGATTGGAAAGATTGGAGTCGT
TGTTGGTAACTGCTATGGATTTGTTGGGAATCGAATGTTGGCTCCCTATTACAACCAGGGCTATTTCTTG
ATAGAGGAAGGTAGTAAGCCAGAGGATGTAGATGGGGTCTTAGAAGAGTTTGGTTTTAGAATGGGACCT
TCAGGGTGTCTGACCTCGCAGGGCTAGATGTGGGTTGAAAAGTTCGCAAAGGGCAAGGCCTTACTGGACC
GTCCTTACCTCCAGGAACCCCAACCGAAAGAGGGGCAATACCAGGTAATCCCAATTGCTGATATGCTC
TGTGAAGCTGGGCGATTTGGTCAGAAGACAGGTAAGGGCTGGTATCAGTATGACAAGCCACTGGGTGCA
TCCACAAACCTGATCCCTGGCTTCTGAGTTTCTGTACAGTATAGAGAAACCCATCACATCAAGCAGCG
CTCCATCAGCAAGGAGGAAATCCTGGAGCGTTGCTTATATCCCTTATCAACGAGGCATTCGCATCTTG
GAGGAGGGGATGGCCGCTAGCCCAGAGCACATTGATGTCATCTACTTGCATGGGTATGGGTGGCCAAAGC
ACGTGGGTGGGCCATGTACTATGCTGCCTCAGTTGGGCTGCCACAGTTCTAGAGAAATTCAGAAATA
TTACAGACAGAATCCTGACATCCCCAGCTGGAGCCAGTGACTACCTGAGGAGGCTGGTTGCCAGGGA
AGCCCTCTCTGAAAGAATGGCAAAGCTTGGCAGGACCCATAGCAGCAAATGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_023737.3](#)

RefSeq Size: 3010 bp

RefSeq ORF: 2157 bp

Locus ID: 74147

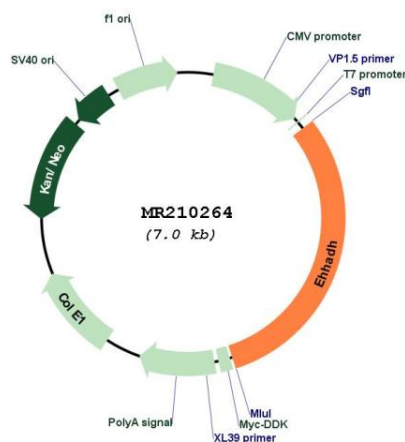
UniProt ID: [Q9DBM2](#)

Cytogenetics: 16 B1

MW: 78.3 kDa

Gene Summary: Peroxisomal trifunctional enzyme possessing 2-enoyl-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase, and delta 3, delta 2-enoyl-CoA isomerase activities. Catalyzes two of the four reactions of the long straight chain fatty acids peroxisomal beta-oxidation pathway. Optimal isomerase for 2,5 double bonds into 3,5 form isomerization in a range of enoyl-CoA species. Also able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species (By similarity). With HSD17B4, catalyzes the hydration of trans-2-enoyl-CoA and the dehydrogenation of 3-hydroxyacyl-CoA, but with opposite chiral specificity (Probable). Regulates the amount of medium-chain dicarboxylic fatty acids which are essential regulators of all fatty acid oxidation pathways (PubMed:24075987). Also involved in the degradation of long-chain dicarboxylic acids through peroxisomal beta-oxidation (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210264