

Product datasheet for **SC329004**

EHHADH (NM_001166415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EHHADH (NM_001166415) Human Untagged Clone
Tag:	Tag Free
Symbol:	EHHADH
Synonyms:	ECHD; FRTS3; L-PBE; LBFP; LBP; MFE1; PBFE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166415, the custom clone sequence may differ by one or more nucleotides
 ATGGCTTCGGAGGGGACTAGAGCTGGCCCTGGGCTGTCACTATAGGATTGCCACGCA
 GAGGCTCAAGTTGGCTTACCAGAAGTTACACTGGGACTTCTCCCTGGTGAAGAGGAACC
 CAGCTTCTCCCAGACTCACTGGAGTTCCTGCTGCACTTGACTTAATTACCTCAGGAAGA
 CGTATTTTAGCAGATGAAGCACTCAAGCTGGGCATTCTAGATAAAGTTGAAACTCAGAC
 CCGGTTGAAGAAGCAATCAGATTTGCTCAGAGAGTTTCAGATCAACCTCTAGAATCCCGT
 AGACTCTGCAACAAGCCAATTCAGAGCTTGCCCAACATGGACAGCATTTTATGTAGGCC
 CTCTTGAAGATGCGGAGGCAGCACCTGGGTGTCTTGACAGGAGGCTTGTGTCCGTGCA
 GTCCAGGCTGCTGTGCAATATCCCTATGAAGTGGGCATCAAGAAGGAGGAGGAGCTGTTT
 CTATATCTTTTGAATCAGGGCAGGCTAGAGCCCTGCAATATGCTTTCTTCGCTGAAAGG
 AAAGCAAATAAGTGGTCAACTCCCTCCGGAGCATCGTGGAAAACAGCATCAGCGCGGCT
 GTCTCCTCAGTTGGTGTGTTGGCTTGGGAACAATGGGCCGAGGCATTGCATTTCTTTT
 GCAAGGGCCAGGATTCTGTGATTGCTGTAGACTCGGACAAAAACAGCTAGCAACTGCA
 AACAGATGATAACCTCTGTCTTGAAAAAGAAGCCTCCAAAATGCAACAGAGCGGCCAC
 CCTTGGTCAGGACAAAACCCAGGTTAACTTCATCTGTGAAGGAGCTTGGTGGTGTAGAT
 TTAGTCATTGAAGCAGTATTTGAGGAAATGAGCCTGAAGAAGCAGGTCTTTGCTGAACTC
 TCAGCTGTGTGCAAAACCAGAAGCATTTTGTGCACTAATACTTCAGCCCTGGATGTTGAT
 GAGATTGCTTCTTCCACTGATCGTCCCTCACTTGGTCATTGGCACCCACTTCTTTTCGCCA
 GCTCATGTGATGAAGTTGTAGAGGTTATCCCAGCCAATACTCTTCCCCACTACCATT
 GCCACTGTTATGAACTTATCAAAAAGATTA AAAAGATTGGAGTCGTTGTAGGCAACTGT
 TTTGGATTTGTGGGAATCGAATGTTGAATCCTTACTACAATCAGGCATATTTCTTGTTA
 GAAGAAGGCAGCAAACCAGAGGAGGTAGATCAGGTGCTGGAAGAGTTTGGTTTTAAAAT
 GGACCTTTTAGAGTGTCTGATCTTGGTGGTGGATGTGGGCTGGAATCTAGAAAAGGGG
 CAAGGTCTTACTGGACCTACATTGCTTCCAGGAACTCCTGCCGAAAAAGGGTAAATAGG
 AGTACTGCCCAATTCCTGATGTGCTCTGTGAATTAGGACGATTTGGCCAGAAGACAGGT
 AAGGGTTGGTATCAATATGACAAGCCATTGGGTAGGATTCACAAACCTGATCCCTGGCTT
 TCCAAATTCCTATCACGGTATAGAAAAACCCATCACATTGAACCACGTACCATTAGCCAG
 GATGAGATCCTTGAACGCTGCTTATATCACTTATCAATGAAGCATTCCGTATCTGGGA
 GAAGGGATAGCTGCTAGCCAGAGCACATTGATGTTGTCTATTTACATGGATATGGATGG
 CCAAGGCACAAGGGCGGGCCCATGTTCTATGCTTCCACAGTTGGGTTGCCACAGTTCTA
 GAGAAATTGCAGAAATATTACAGGCAGAACCTGATATCCCAACTGGAGCCAAGTGAC
 TATCTAAAAAACTGGCTTCTCAGGGAAACCTCCCTGAAAGAATGGCAAAGCTTGGCA
 GGCTCCCCTAGCAGTAAATTGTGA

Restriction Sites: Please inquire

ACCN: NM_001166415

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001166415.1, NP_001159887.1</u>
RefSeq Size:	3993 bp
RefSeq ORF:	1884 bp
Locus ID:	1962
UniProt ID:	<u>Q08426</u>
Cytogenetics:	3q27.2
Protein Pathways:	beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, PPAR signaling pathway, Propanoate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation
Gene Summary:	<p>The protein encoded by this gene is a bifunctional enzyme and is one of the four enzymes of the peroxisomal beta-oxidation pathway. The N-terminal region of the encoded protein contains enoyl-CoA hydratase activity while the C-terminal region contains 3-hydroxyacyl-CoA dehydrogenase activity. Defects in this gene are a cause of peroxisomal disorders such as Zellweger syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>