

Product datasheet for **SC319641**

L3HYPDH (NM_144581) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: L3HYPDH (NM_144581) Human Untagged Clone
Tag: Tag Free
Symbol: L3HYPDH
Synonyms: C14orf149
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_144581.1
 CGGGCTTGAAGCCATAGCTGCGGGACCGTACTCGTCTCCCCGACGCAGACCATGGAGAG
 CGCGCTGGCGGTGCCCTGGCTGCCCCCGCATGATCCAGGGACCGCGGTGCTGTCGGTGGT
 GGACATGCACACGGGCGCGAGCCCTTGCCTATCGTGCTGGCGGGGTGTCCGGAGGTGTC
 TGGGCCACCCCTGCTGGCCAAGCGGGCGCTACATGCGCCAGCACCTTGACCACGTGCGGGC
 ACGGCTCATGTTTCGAGCCCCGAGGGCACCGGGACATGTACGGGGCGGTCTAGTCCCGAG
 CGAGCTGCCGGACGCGCATCTGGGCGTCTGTTCTGCACAACGAGGGCTACAGCTCCAT
 GTGCGGCCACGCAGTGTGGCGTGGGCGCTTCGCTTTGGACTTCGGGCTTGTGCCGGC
 GCCCCCTGCGGGCACCCGCGAGGCCCGGTCAATATCCACTGCCCTGCGGGCTGGTGAC
 CGCCTTCGTGGCATGCGAGGACGGCCGAGCCACGGACCGGTGCGCTTCCACAGCGTCCC
 GGCCTTCGTGCTGGCCACAGATCTCATGGTGGATGTTCTGGACATGAAAAGGTGATGGT
 GGACATTGCATATGGCGGTGCATTTTATGCATTTGTTACTGCTGAAAAGTTAGGACTAGA
 CATTGTCTGCAAGACCAGGGACCTTGTGGATGCAGCGAGTGCAAGTGCAGAGGCACT
 GAAAGCTCAGTTTAAATTAATCATCTGATAGTGAAGACCTTGCCTTTTATATGGAAC
 TATATTAACAGATGAAAAAGATGCTTATACCAAGGAACCAACCAACATTTGTGTTTT
 TGCAGATGAACAGGTTGACAGAAGTCCCACTGGCTCAGGAGTGACAGCCCGAATTGCCTT
 ACAGTATCACAAAGGGCTTCTGGAAGTGAACAGATGAGAGCCTTCAAAAGCAGTGCAAC
 TGGCTCAGTATTCACAGGAAAAGCTGTGAGGGAAGCGAAATGTGGTGATTTTAAAGCTGT
 TATAGTGAAGTATCAGGACAAGCCATTACACGGGTACAGCAAGCTTTATAATAGAAGA
 TGACGACCCATTGAGGGATGGATTTCTTCTCAAGTGACTTCTTCCATGATTTTAAAGGGCT
 TTCTTTTAAAGTAAATCATTATCTTAAGGACTGTTTTCTCTAAATTATGAAAACAAA
 TAAATTATACATATAAACTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_144581



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| 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_144581.1</u> , <u>NP_653182.1</u> |
| RefSeq Size: | 1381 bp |
| RefSeq ORF: | 1065 bp |
| Locus ID: | 112849 |
| UniProt ID: | <u>Q96EM0</u> |
| Cytogenetics: | 14q23.1 |
| Gene Summary: | <p>The protein encoded by this gene is a dehydratase that converts trans-3-hydroxy-L-proline to delta(1)-pyrroline-2-carboxylate. This enzyme may function to degrade dietary proteins that contain trans-3-hydroxy-L-proline as well as other proteins such as collagen IV. The encoded protein can be converted to an epimerase by changing a threonine to a cysteine at a catalytic site. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p> |