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Product datasheet for SC124595

DEGS2 (NM_206918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEGS2 (NM_206918) Human Untagged Clone
Tag:	Tag Free
Symbol:	DEGS2
Synonyms:	C14orf66; DES2; FADS8
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC124595 sequence for NM_206918 edited (data generated by NextGen Sequencing)

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ATGGGCAACAGCGCGAGCCGCAGCGACTTCGAGTGGGTCTACACCGACCAGCCGCACACG
CAGCGGCGCAAGGAGATACTGGCCAAGTACCCGGCCATCAAGGCCCTGATGCGGCCAGAC
CCGCGCCTCAAGTGGGCGGTGCTGGTGCTGGTGCTGGTGCAGATGCTGACCTGCTGGCTG
GTGCGCGGGCTGGCCTGGCGCTGGCTGCTGTTCTGGGCCTACGCCTTTGGTGGCTGCGTG
AACCACTCGCTGACGCTGGCCATCCACGACATCTCGCACAACGCGGCCTTCGGCACGGGC
CGTGCGGCACGCAACCGCTGGCTGGCCGTGTTCGCCAACCTGCCCGTGGGTGTGCCCTAC
GCCGCCTCCTTCAAGAAGTACCACGTGGACCACCACCGCTACCTGGGCGGCGACGGGCTG
GACGTGGACGTGCCCACGCGTCTGGAGGGCTGGTTCTTCTGCACGCCCGCCCGCAAGCTG
CTCTGGCTGGTGCTGCAGCCCTTCTTCTACTCACTACGGCCGCTCTGCGTCCACCCCAAG
GCCGTGACCCGCATGGAGGTGCTCAACACGCTGGTGCAGCTGGCGGCCGACCTGGCCATC
TTTGCCCTTTGGGGGCTCAAGCCCGTGGTCTACCTGCTGGCCAGCTCCTTCCTGGGCCTG
GGCCTGCACCCCATCTCGGGCCACTTCGTGGCCGAGCACTACATGTTCCTCAAGGGCCAC
GAGACCTACTCCTACTATGGGCCTCTCAACTGGATCACCTTCAATGTGGGCTACCACGTG
GAGCACCACGACTTCCCCAGCATCCCGGGCTACAACCTGCCGCTGGTGCGGAAGATCGCG
CCCGAGTACTACGACCACCTGCCGCAGCACCACTCCTGGGTGAAGGTGCTCTGGGATTTT
GTGTTTGAGGACTCCCTGGGGCCCTATGCCAGGGTGAAGCGGGTGTACAGGCTGGCAAAA
GATGGTCTGTGA

Clone variation with respect to NM_206918.2
169 g=>a;465 a=>g
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_206918 unedited
TTTGTAATACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGGCCGCGCTCCGAAC
GGCGCCTCCCGCCCCACCATGGGCAACAGCGCGAGCCGCAGCGACTTCGAGTGGGTCTAC
ACCGACCAGCCGCACACGCAGCGGCGCAAGGAGATACTGGCCAAGTACCCGGCCATCAAG
GCCCTGATGCGGCCAGACCCGCGCCTCAAGTGGGCGGTGCTGGTGCTGGTGCTGGTGCAG
ATGCTGACCTGCTGGCTGGTGCGCGGGCTGGCCTGGCGCTGGCTGCTGTTCTGGGCCTAC
GCCTTTGGTGGCTGCGTGAACCACTCGCTGACGCTGGCCATCCACGACATCTCGCACAAC
GCGGCCTTCGGCACGGGCCGTGCGGCACGCAACCGCTGGCTGGCCGTGTTCGCCAACCTG
CCCGTGGGTGTGCCCTACGCCGCCTCCTTCAAGAAGTACCACGTGGACCACCACCGCTAC
CTGGGCGGCGACGGGCTGGACGTGGACGTGCCCACGCGTCTGGAGGGCTGGTTCTTCTGC
ACGCCCGCCCGCAAGCTGCTCTGGCTGGTGCTGCAGCCCTTCTTCTACTCACTACGGCCG
CTCTGCGTCCACCCCAAGGCCGTGACCCGAATGGGAGGTGCTCAACACGCTGGTGGCAGC
TGGCGGGCGACCTGGCCATCTTGCCCTTTTGGGGGCTCAAGCCCCGTGGTCAACCTGCTG
GCCAGCTCCTTCCTGGGGCCTGGGCCTGACCCCNTNNNTNTGGGGGCCNNTTNNNGGGCC
GAAGCATTAACTGGTCCCTTCAAGGGGCCACGAAGACCTACTCCTTACATATGGGCCCTT
TCAAACTGGATCACCCTTTTAAAGGGGGGCTACCCACGGGGAAGCACCCAAGAATTCCCC
AAGATTCCGGGGCTAAACCTGGCGGTGTGGGGCGCGAAATAACCCCCCGCATACTCCA

Restriction Sites: NotI-NotI

ACCN: NM_206918

Insert Size: 1500 bp

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).

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:
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_206918.1, NP_996801.1

RefSeq Size: 1434 bp

RefSeq ORF: 972 bp

Locus ID: 123099

UniProt ID: Q6QHC5

Cytogenetics: 14q32.2

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Gene Summary: This gene encodes a bifunctional enzyme that is involved in the biosynthesis of phytosphingolipids in human skin and in other phytosphingolipid-containing tissues. This enzyme can act as a sphingolipid delta(4)-desaturase, and also as a sphingolipid C4-hydroxylase. [provided by RefSeq, Oct 2008]